

Table S1. Studies including in the review concerning CBD effects on innate immunity.

Source	Models	Function investigated	Main results	CBD effect	Reference
Macrophages / monocytes					
RAW-264.7 monocytes/macrophages cell line.	Cells were treated with UDP, ATP IFN- γ , LPS, dexamethasone to induce phagocytosis, then with CBD (10 μ M) and incubated with beads.	<ul style="list-style-type: none"> • Evaluation of phagocytosis. 	<ul style="list-style-type: none"> • Increase of phagocytosis. 	↑	[107]
Swiss male mice (18-20 g) macrophages.	Peritoneal exudate cells treated with CBD (from 0.001 to 1 μ M) and LPS.	<ul style="list-style-type: none"> • Evaluation of cytokines (IL-10 and 12) release. • Evaluation of chemotaxis fMLP-induced. 	<ul style="list-style-type: none"> • Decrease of IL-10 release and increase of IL-12 release. • Decrease of chemotaxis fMLP-induced. 	↑↓	[122]
Swiss male mice (18-20 g).	Mice inoculated i.p. with thioglycolate and injected with CBD (15-30 mg/kg). Isolated macrophages were treated with LPS.	<ul style="list-style-type: none"> • Evaluation of cytokines (IL-10 and 12) release by macrophages. 	<ul style="list-style-type: none"> • Decrease of IL-10 release and increase of IL-12 release. 	↑	[122]
Monocytes from healthy subjects.	Human peripheral monocytes freshly isolated or precultured, treated with CBD and doxorubicin to induce apoptosis.	<ul style="list-style-type: none"> • Evaluation of apoptosis. 	<ul style="list-style-type: none"> • Increase of apoptosis of freshly isolated monocytes. 	↓	[127]
THP-1 monocytes cell line.	Cells treated with CBD.	<ul style="list-style-type: none"> • Evaluation of ROS production. • Evaluation of apoptosis. 	<ul style="list-style-type: none"> • Increase of ROS generation. • Increase of apoptosis. 	↓↑	[124]
Monocytes from healthy subjects	Monocytes treated with CBD (16 μ M).	<ul style="list-style-type: none"> • Evaluation of apoptosis. • Evaluation of ROS generation. 	<ul style="list-style-type: none"> • Increase of apoptosis • Increase of ROS generation. 	↓↑	[125]
RAW 264.7 macrophages cell line.	Cells were incubated CBD (5 μ M) and LPS+ATP.	<ul style="list-style-type: none"> • Evaluation of NF-κB activation. • Evaluation of NLRP3 inflammasome activation. • Evaluation of cytokines (IL-1β, TNF-α, and MCP-1) expression. 	<ul style="list-style-type: none"> • Inhibition of NF-κB activation. • Suppression of activation of NLRP3 inflammasome. • Reduction of IL-1β, TNF-α, and MCP-1 mRNA levels. 	↓	[116]

6-week-old male C57BL/6J mice.	Mice with liver inflammation HFC-induced were hand-fed with CBD (5 mg/kg per day).	<ul style="list-style-type: none"> • Evaluation of hepatic macrophage infiltration. 	<ul style="list-style-type: none"> • Decrease of macrophages infiltration in liver. 	↓	[116]
U937 and RAW264.7 macrophages cell line.	Cells were treated with LPS and CBD.	<ul style="list-style-type: none"> • Evaluation of cytokines (IL-8, IL-16, IL-32, IFN-γ, IL-1A, IL-6, IL-27, I-TAC, M-CSF, MCP-1, CCL2, CCL5, TNF-α, MIF) levels in U937. • Evaluation of G-CSF, GM-CSF in RAW264.7. • Evaluation of ROS production in RAW264.7. 	<ul style="list-style-type: none"> • Reduction in LPS-induced NF-κB activity, and IL-8, and MCP-1 release. • Increased serpin E1, CXCL1, IL-6, MIF, IFN-γ, MCP-1, RANTES, and TNF-α production • Reduction in MCP-1/CCL2, CCL5, eotaxin, and IL-2 production. • Increase of ROS generation. 	↑↓	[123]
THP-1 monocytes cell line.	Cell stimulated with LPS+nigericin and treated with CBD (0.1, 1, and 10 μ M).	<ul style="list-style-type: none"> • Evaluation of cytokines (IL-1β, TNF-α) release. 	<ul style="list-style-type: none"> • Decrease of IL-1β release. 	↓	[119]
6-week-old female C57BL/6 mice.	Murine model of EAE treated with CBD (20 mg/kg).	<ul style="list-style-type: none"> • Evaluation of cytokines (CXCL9, CXCL10 and IL-1β) mRNA expression levels in macrophages. • Evaluation of macrophages infiltration into CNS. 	<ul style="list-style-type: none"> • Reduction of IL-1β and CXCL10 mRNA expression levels. • Reduction of macrophages infiltration. 	↓	[103]
Monocytes from healthy subjects.	Human primary monocytes activated through TLR 1–9 and treated with CBD (0.5–10 μ M).	<ul style="list-style-type: none"> • Evaluation of cytokines (IL-4, IL-2, IP-10, IL-1β, TNFα, MCP-1, IL-17a, IL-6, IL-10, IFNγ, IL-12p70, IL-8, and TGF-β1) secretion. 	<ul style="list-style-type: none"> • Inhibition of IL-1β and IL-6. 	↓	[121]
THP-1 monocytes cell line.	Cells treated with LPS and CBD (from 5 to 100 μ M).	<ul style="list-style-type: none"> • Evaluation of cytokines (IL-1β, IL-6, and IL-10, MCP-1, VEGF, RANTES) expression. • Evaluation of mTOR, endothelial NOs, COX2 expression. 	<ul style="list-style-type: none"> • Reduction of TNF-α, RANTES, IL-1β and -6 expression. • Reduction in levels of phosphorylated m-TOR Ser 2448. • Reduction of endothelial NOs. • Induction of COX2. 	↑↓	[120]

RAW 264.7 macrophages cell line.	Cells were stimulated with LPS and treated with CBD.	<ul style="list-style-type: none"> • Evaluation of cytokines (TNF-α and IL-1β) release. 	<ul style="list-style-type: none"> • inhibition of TNF-α and IL-1β. 	↓	[117]
5/8-week-old male Wistar rats (150-250 g).	Rats with pulmonary hypertension-MCT induced, injected <i>i.p.</i> with CBD (10 mg/kg)	<ul style="list-style-type: none"> • Number of infiltrated macrophages in lung. 	<ul style="list-style-type: none"> • Decrease of number of macrophages infiltrated in lung. 	↓	[126]
Monocytes from healthy subjects.	Monocytes differentiated in macrophages, treated with CBD (10 μ M).	<ul style="list-style-type: none"> • Evaluation of transcriptional cell profile. • Evaluation of autophagy process. 	<ul style="list-style-type: none"> • Inhibition of cGAS-STING-mediated activation of type I Interferon response genes • Upregulation of autophagy receptor p62/SQSTM1 	↓↑	[129]
THP monocytic cell line.	Cells treated with CBD (10 μ M).	<ul style="list-style-type: none"> • Evaluation of transcriptional cell profile. • Evaluation of autophagy process. 	<ul style="list-style-type: none"> • Inhibition of cGAS-STING-mediated activation of type I Interferon response genes • Upregulation of autophagy receptor p62/SQSTM1 	↓↑	[129]
8- to 11-week-old female and male and 8-month-old C57BL/6 female mice macrophages.	Exudate macrophages were treated with CBD (5 μ M) and stimulated with LPS.	<ul style="list-style-type: none"> • Evaluation of NO production. • Evaluation of cytokines (IL6, TNF-α, CXCL2, G-CSF) expression. • Evaluation of MHCII expression. 	<ul style="list-style-type: none"> • Inhibition of NO secretion. • Inhibition of IL-6, TNF-α, CXCL2 expression. • Decrease of MHCII expression. 	↓	[118]
8- to 11-week-old female and male and 8-month-old C57BL/6 female mice.	Murine colitis DSS-induced, injection <i>i.p.</i> of CBD (5 mg/kg).	<ul style="list-style-type: none"> • Evaluation of Macrophages infiltration in colon. 	<ul style="list-style-type: none"> • Decrease of cell infiltration in colon. 	↓	[118]
Mast cells					
RBL-2H3 cells line.	RBL-2H3 mast cell activated with IgE receptor, incubated with HSA antigen and treated with CBD (1-10 μ M).	<ul style="list-style-type: none"> • Beta-hexosaminidase cells release. • Evaluation of Ca²⁺ intracellular levels. 	<ul style="list-style-type: none"> • Enhancement of beta-hexosaminidase cells release. • Rise of intracellular Ca²⁺ 	↑	[89]
Male Swiss OF1 mice (30–40 g) mast cells.	Mice model of intestinal inflammation, injection <i>i.p.</i> of CBD (10 mg/kg) before LPS treatment.	<ul style="list-style-type: none"> • Release of mast cells chymase and MMP9. 	<ul style="list-style-type: none"> • Inhibition of mast cells chymase and MMP9 release. 	↓	[90]
Astrocytes					

Male ddY mice (25-35 g).	Mouse were subjected to middle cerebral artery occlusion and treated with of CBD (3 mg/kg).	<ul style="list-style-type: none"> • Evaluation of MPO activity in brain. 	<ul style="list-style-type: none"> • Reduction of MPO activity. 	↓	[94]
5/7-week-old male Swiss albino mice (30-40 g).	Mice were subjected to bilateral common carotid artery occlusion and treated with CBD (3-30 mg/kg)	<ul style="list-style-type: none"> • Evaluation of GFAP immunoreactivity in brain. 	<ul style="list-style-type: none"> • Reduction in GFAP expression. 	↓	[95]
HBMEC and human astrocytes.	BBB permeability model by co-cultures of HBMEC and human astrocyte in oxygen-glucose deprivation conditions, treated with CBD (10 μM).	<ul style="list-style-type: none"> • Evaluation of BBB permeability. • Evaluation of LDH release. • Evaluation of VCAM-1 and VEGF levels. 	<ul style="list-style-type: none"> • Reduction BBB permeability. • Decrease VCAM-1 levels. • Increased VEGF levels. 	↓	[92]
Rat CTX-TNA2 astrocytes.	Astrocytes were treated with H ₂ O ₂ and CBD (1μM).	<ul style="list-style-type: none"> • Evaluation of ROS production. • Evaluation of proliferation. • Evaluation of apoptosis. 	<ul style="list-style-type: none"> • Reduction in ROS production. • Increase in proliferation. • Reduced early apoptosis. 	↓	[93]
2/4-day-old C57BL/6J mice astrocytes.	Astrocytes incubated with CBD (5-10 μM) followed by LPS.	<ul style="list-style-type: none"> • Evaluation of IL-6 and TNF-α release. • Evaluation of Nf-κB and STAT3 pathways. 	<ul style="list-style-type: none"> • Inhibition of IL-6 release but not TNF-α. • Inhibition of NF-κB and STAT3 phosphorylation. 	↓	[105]
6-week-old C57BL/6J mice.	Mice were injected i.p. with CBD (10mg/kg or 75mg/kg) followed by LPS.	<ul style="list-style-type: none"> • Evaluation of mRNA expression of IL-1β, TNF-α and IL-6 by astrocytes. 	<ul style="list-style-type: none"> • Inhibition of mRNA expression of IL-1β and TNF-α but not IL-6. 	↓	[105]
Oligodendrocytes					
12-day-old Sprague Dawley rat oligodendrocytes.	Oligodendrocytes incubated with CBD (0,1-10 μM).	<ul style="list-style-type: none"> • Evaluation of ROS generation. • Evaluation of Ca²⁺ release. • Evaluation of apoptosis pathway. 	<ul style="list-style-type: none"> • Increase of ROS production. • Increase of Ca²⁺ release. • Increase of apoptosis. 	↓↑	[110]
0/2-days-old Wistar rats OPC.	OPC were treated with LPS/IFNγ/H ₂ O ₂ / Tunicamycin in presence of CBD (1 μM).	<ul style="list-style-type: none"> • Evaluation of ROS generation. • Evaluation of apoptosis. 	<ul style="list-style-type: none"> • Decrease of ROS production. • Decrease of caspase 3 expression. • Decrease of apoptosis ER stress-induced. 	↓↑	[111]
Microglia cells					

8/10-week-old male C57BL6 mice microglia.	Microglial cells were treated with UDP, ATP, IFN- γ , LPS, dexamethasone to induce phagocytosis, then with CBD (10 μ M) and incubated with beads.	<ul style="list-style-type: none"> • Evaluation of phagocytosis. 	<ul style="list-style-type: none"> • Increase of phagocytosis. 	↑	[107]
BV-2 microglial cells line.	Microglial cells were treated with UDP, ATP IFN- γ , LPS, dexamethasone to induce phagocytosis, then with CBD (10 μ M) and incubated with beads.	<ul style="list-style-type: none"> • Evaluation of phagocytosis. 	<ul style="list-style-type: none"> • Increase of phagocytosis. 	↑	[107]
HAPI cells line.	Microglial cells were treated with UDP, ATP IFN- γ , LPS, dexamethasone to induce phagocytosis, then with CBD (10 μ M) and incubated with beads.	<ul style="list-style-type: none"> • Evaluation of phagocytosis. 	<ul style="list-style-type: none"> • Increase of phagocytosis. 	↑	[107]
BV-2 mouse microglial cell line.	BV-2 microglial cells were treated with LPS and CBD (10 μ M).	<ul style="list-style-type: none"> • Evaluation of IL-1β, IL-6, and IFN-β production and release. 	<ul style="list-style-type: none"> • Reduction of IL-1β, IL-6, and IFN-β production and release. 	↓	[101]
BV-2 mouse and N-13 microglial cells line.	BV-2 and N-13 microglial cells treated with CBD (0,1 μ M).	<ul style="list-style-type: none"> • Evaluation of microglia migration. • Evaluation of NO generation. • Evaluation of IL-6 and TNF-α gene expression. • Evaluation of intracellular Ca²⁺ levels. 	<ul style="list-style-type: none"> • Increase in microglial cells migration. • Inhibition of NO generation. • Increase in IL-6 gene expression. • Reduction in intracellular Ca²⁺ levels. 	↑↓	[104]
0-day-old BALB/c mice microglial cells.	Microglial cells treated with CBD (16 μ M).	<ul style="list-style-type: none"> • Evaluation of apoptosis pathway. 	<ul style="list-style-type: none"> • Increase in caspase 8 and 29 activation. 	↓	[106]
6-week-old female C57BL/6 mice.	Murine model of EAE treated with CBD (20 mg/kg).	<ul style="list-style-type: none"> • Microglia Transcriptional Profile. 	<ul style="list-style-type: none"> • Shift in the transcriptional profile to anti-inflammatory profile in microglia within CNS. 	↓	[103]
6-week-old C57BL/6J mice microglial cells.	Microglial cells incubated with CBD (10 μ M) followed by LPS.	<ul style="list-style-type: none"> • Evaluation of IL-6 and TNF-α release. 	<ul style="list-style-type: none"> • Inhibition of IL-6 release but not TNF-α. 	↓	[105]
6-week-old C57BL/6J mice.	Mice were injected i.p with CBD (10mg/kg or 75mg/kg) followed by LPS.	<ul style="list-style-type: none"> • Evaluation of mRNA expression of IL-1β, TNF-α and IL-6 by microglia. 	<ul style="list-style-type: none"> • Inhibition of mRNA expression of IL-1β and TNF-α but not IL-6. 	↓	[105]

7/9-day-old Wistar rat microglia.	Microglia isolated from Hippocampi slices treated with kainite acid and incubated with CBD (0.1–10 μ M).	<ul style="list-style-type: none"> • Evaluation of microglia activation. 	<ul style="list-style-type: none"> • Inhibition of microglia activation. 	↓	[99]
APP/PS1 female mice microglia.	Microglial cells treated with CBD (5 μ M).	<ul style="list-style-type: none"> • Evaluation of Phagocytic Receptors Expression TRPV2, TREM2, GPR34, CR3. 	<ul style="list-style-type: none"> • Increase of mRNA expression of TRPV2 and TREM2. 	↑	[108]
Polymorphonuclear leukocytes					
Female mice C57BL/6.	PMNs were treated with CBD (6 μ M).	<ul style="list-style-type: none"> • Evaluation of ROS production. 	<ul style="list-style-type: none"> • Suppression of Zymosan-induced ROS. 	↓	[163]
PMN from human healthy subjects.	PMNs were activated with fMLP and treated with CBD (0,00001 to 1 μ M).	<ul style="list-style-type: none"> • Evaluation of chemotaxis. 	<ul style="list-style-type: none"> • Decreased chemotaxis. 	↓	[153]
Male ddY mice (25–35 g).	Ischemic brain damage was induced by focal I/R injury, CBD (3mg/kg) was administered i.p. immediately before and 3 h after cerebral ischemia.	<ul style="list-style-type: none"> • Evaluation of PMNs infiltration in brain. 	<ul style="list-style-type: none"> • Decreased PMNs infiltration. 	↓	[94]
Male Wistar rats (250–350 g).	Experimental periodontitis was induced by a ligature placement around both mandible first molars before CBD treatment (5 mg/kg) administered i.p. daily for 30 days.	<ul style="list-style-type: none"> • Evaluation of PMNs infiltration in gingival tissue. • Evaluation of PMN activity in gingival tissue. 	<ul style="list-style-type: none"> • Reduced PMNs infiltration and MPO activity in gingival tissue. 	↓	[157]
PMN from human healthy subjects.	PMNs were pre-treated with 1 μ M CBD and activated by TNF- α .	<ul style="list-style-type: none"> • Evaluation of PMNs adhesion. 	<ul style="list-style-type: none"> • Reduced PMNs adhesion. 	↓	[155]
Male mice C57BL/6j.	Mouse model of hepatic I/R injury, CBD treatment (3 and/or 10 mg/kg) was injected i.p 60 minutes before the occlusion of hepatic artery.	<ul style="list-style-type: none"> • Evaluation of PMNs infiltration and activity in liver. 	<ul style="list-style-type: none"> • Reduced PMNs infiltration and MPO activity in liver. 	↓	[155]
8-week-old male mice C57BL/6 (20-25 g).	Acute lung injury was induced by intranasal instillation of LPS, CBD (0.3, 1.0, 10, 20, 30, 40, and 80 mg/kg) was administered i.p. 60 minutes before lung injury.	<ul style="list-style-type: none"> • Evaluation of PMNs Infiltration and activity in lung. 	<ul style="list-style-type: none"> • Decreased PMNs infiltration and MPO activity in lung. 	↓	[36]

5/8-week-old female mice C57BL/6.	Pulmonary inflammation was induced by intranasal instillation of LPS, CBD (75 mg/kg) were co-administered by oral gavage.	<ul style="list-style-type: none"> • PMN count in lung. • Evaluation of TNF-α; IL-6, IL17a; IL-23 and G-CSF mRNA expression levels. 	<ul style="list-style-type: none"> • Enhanced PMNs infiltration in lung. • Increase in mRNA expression levels for TNF-α; IL-6, IL-23 and G-CSF. 	↑	[161]
Male adult Dunkin-Hartley guinea pigs (250-350 g).	Airway inflammation was induced by exposition to aerosolized solution of LPS or intranasal instillation of TNF- α , CBD (10 mg/ml) was nebulized 30 minutes before the injury	<ul style="list-style-type: none"> • PMNs infiltration in airways. 	<ul style="list-style-type: none"> • No effects of CBD on PMNs infiltration in airways. 	↔	[162]
PMN from human healthy subjects.	PMNs were activated with PMA before 1 μ M CBD treatment.	<ul style="list-style-type: none"> • Evaluation of ROS production. 	<ul style="list-style-type: none"> • Reduction in PMA-induced ROS production. 	↓	[159]
10/12-week-old female mice C57BL/6J (25 g).	Alcohol induced liver steatosis; CBD (10 mg/kg) was administered i.p. for 11 days during alcohol exposure.	<ul style="list-style-type: none"> • Evaluation of PMNs infiltration and activity in liver. • Evaluation of MPO. • Evaluation of ROS production. 	<ul style="list-style-type: none"> • Decreased in PMNs infiltration • Decreased MPO activity in liver. • Decrease in PMNs oxidative burst. 	↓	[159]
9/11-week-old male ICR mice.	Acute kidney injury was induced by bilateral renal I/R injury, CBD (10 mg/kg) was administered i.p. 10 minutes before removal of vascular clamps.	Evaluation of PMNs polarization (N1/N2 phenotype ratio).	<ul style="list-style-type: none"> • Increased N2 PMNs levels in kidney. • Decreased N1 PMNs levels in kidney. 	↓	[167]
Male BALB/c mice (20-30 g) and CB2R -/- mice.	Model of corneal hyperalgesia, CBD was administered topically post cauterization.	Evaluation of PMNs infiltration in cornea.	Reduced PMNs infiltration in cornea.	↓	[158]
PMN from human healthy subjects.	PMNs were activated with fMLP and IL-8 and co-treated with CBD (0.01-10 μ M).	<ul style="list-style-type: none"> • Evaluation of chemotaxis and ROS production. • Evaluation of TNF-α production. 	<ul style="list-style-type: none"> • Decreased chemotaxis and ROS production. • Decreased TNF-α (mRNA and protein) levels. 	↓	[156]
PMN from human healthy subjects and psoriasis patients.	PMNs were activated with LPS and treated with CBD (10 μ M).	<ul style="list-style-type: none"> • Evaluation of NET production. • Evaluation of MPO. 	<ul style="list-style-type: none"> • Inhibition of NET production and cfDNA. • Reduction of MPO levels. 	↓	[139]

PMN from human healthy subjects.	PMNs were activated with fMLP and treated with CBD (from 0.1 μ M to 1000 μ M).	<ul style="list-style-type: none"> • Evaluation of chemotaxis. • Evaluation of oxygen consumption. • Evaluation of ROS production. 	<ul style="list-style-type: none"> • Decreased chemotaxis. • Decreased of oxygen consumption. • Increased ROS production. 	↓↑	[154]
8/9-weeks-old male nude rats (Hsd:RH-Foxn1 ^{rnu}) (260–302 g).	Skin inflammation model was induced by irradiation with UVA/UVB, CBD (120 mg/kg) was administered topically together with UV radiation, at different times.	<ul style="list-style-type: none"> • Evaluation of ROS production. • Evaluation of TNF-α production. • Evaluation of NF-κB and CB1R expression. 	<ul style="list-style-type: none"> • Reduction of ROS production. • Reduction of TNF-α levels. • Reduction of NF-κB and CB1R expression. 	↓	[164]
Male adult Dunkin-Hartley guinea pigs (250-350 g).	Pulmonary inflammation was induced by aerosolised solution of LPS, CBD (10-50-100 mg/kg) was administered i.p. 1 hour before LPS treatment.	<ul style="list-style-type: none"> • Evaluation of PMNs infiltration in the airways. 	<ul style="list-style-type: none"> • Decreased the PMNs infiltration in airways. 	↓	[160]
PMNs from healthy subjects.	Resting and activated cells treated with CBD.	<ul style="list-style-type: none"> • Evaluation of COX 1/2 and PGE₂. 	<ul style="list-style-type: none"> • Inhibition of expression of COX-1 and COX-2 mRNA in activated PMNs. 	↓	[26]

IgE = immunoglobulin E; HSA = human serum albumin; CBD = cannabidiol; LPS = lipopolysaccharide;; MMP9 = metalloproteinase 9; MPO = myeloperoxidase; GFAP = glial fibrillary acidic protein; HBMEC = human brain microvascular endothelial cell; BBB blood brain barrier; LDH = lactate dehydrogenase; V-CAM1 = vascular cell adhesion protein 1; VEGF = vascular endothelial growth factor; ROS = reactive oxygen species; IL (interleukin)- 1Ra/8/16/32/1A/6/27/2/1 β /4/17a/10/12p70; UDP = uridine diphosphate; ATP = adenosine triphosphate; IFN- γ / β = interferon- γ / β ; TNF- α = tumor necrosis factor α ; NO = nitric oxide; NOs = nitric oxide synthase; EAE = experimental autoimmune encephalomyelitis; CNS = central nervous system; CXCL1/9/10 = C-X-C motif chemokine ligand 1/9/10; ; I-TAC = interferon-inducible T cell alpha chemoattractant; M-CSF = macrophage colony stimulating factor 1; MCP-1 = monocyte chemoattractant protein-1; CCL2/5 = C-C motif chemokine ligand 2/5; NF- κ B = nuclear factor kappa-light-chain-enhancer of activated B cells; G-CSF = granulocyte - colony stimulating factor; GM-CSF = granulocyte-macrophage colony-stimulating factor; MIF = macrophage migration inhibitory factor; TLR 1/3/4/9 = toll like receptor 1/3/4/9; TGF- β 1 = transforming growth factor β 1; IP-10 = interferon gamma-induced protein 10; mTOR = mammalian target of rapamycin; COX 1/2 = cyclooxygenase 1/2; MCT = monocrotaline; MHCII = major histocompatibility complex class II; DSS = dextran sodium sulfate; cGAS-STING = cyclic GMP–AMP synthase-stimulator of interferon genes; NLRP3 = NLR family pyrin domain containing 3; HFC = high fat-cholesterol diet; STAT3 = signal transducer and activator of transcription 3; H₂O₂ = hydrogen peroxide; TRPV2 = transient receptor potential cation channel subfamily v member 2; TREM2 = triggering receptor expressed on myeloid cells 2; GPR34 = G protein-coupled receptor 34; CR3 = complement receptor 3; PMNs = polymorphonuclear neutrophils; RANTES = regulated upon activation, normal T cell expressed and presumably secreted; CB1/2R = cannabinoid receptor 1/2; fMLP = N-formylmethionine-leucyl-phenylalanine; PMA = phorbol 12-myristate 13-acetate; NET = neutrophil extracellular traps; cfDNA = cell free DNA; I/R = ischemia/reperfusion; i.p. = intraperitoneally; N1/2 = neutrophils 1/2; UVA/UVB = ultra-violet light A and B; PGE₂ = prostaglandin E₂;