Supplementary Materials

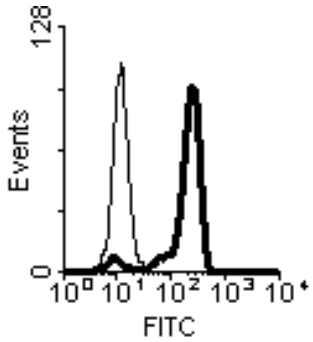

Figure S1. CD14 expression on the surface of primary human peripheral blood monocytes according to flow cytometry. Note: FITC-labeled cells are shown on the histogram with a bold line; isotypic control is shown on the histogram with a thin line.

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CLUSTAL O(1.2.4) multiple sequence alignment


zoocin_A                          GHVGVDYA--VPVGTPVRAVANGTVKFAGNGANHPWMLWMAGNCV--LIQHADGMHTGYA56
zoocin_A_peptidase_family_M23     FHAGFDLKTNQREGLNVYAVADGYVSRIK------ISTFGNGKCI--YVTHPNGYTSVYG52
BLF3872                           -HDGWDFQQATWGGQNVVAVHDGTVYKVA------YSSDGRDWHV--DVKSDDGWYETYQ51
enterolysin_A                     FHDGFDFGSAIYGNGSVYAVHDGKILYAG------WDPVGGGSLGAFIVLQAGNTNVIYQ54
                                   * * *       .  * ** :* :               .      :   ..    *

zoocin_A                          HL----SKISVSTDSTVKQGQIIGYTGATGQVTGPHLHFEMLP-----------------95
zoocin_A_peptidase_family_M23     HLQT-------------------------------------------------------56
BLF3872                           EGFLSKSDIAVKVGDKVKVGDKI------GTLTGTHLHLGVSKTEIEKAQSSWNKDDGTW105
enterolysin_A                     EFSRNVGDIKVSTGQTVKKGQLI------GKFTSSHLHLGMTKKE---------------93
                                  .

zoocin_A                          ------------------- 95
zoocin_A_peptidase_family_M23     ------------------- 56
BLF3872                           KNPLDIISGGGSSDSSSPK 124
enterolysin_A                     ------------------- 93
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Figure S2. Alignment of sequences of class III bacteriocins: BLF3872, enterolysin A from *E. faecalis* LMG 2333, zoocin A from *S. zooepidemicus*, and zoocin A peptidase family M23 from *F. johnsoniae* (Clustal Omega program (https://www.ebi.ac.uk/Tools/msa/clustalo/), accessed on 27 September 2022). Identical, conserved and semi-conserved residues are denoted as "*", ":" and "." respectively.

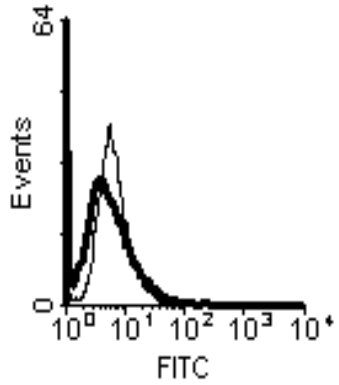

Figure S3. Absence of CD14 expression on the surface of IDC derived from human peripheral blood monocytes. Note: FITC-labeled cells are shown on the histogram with a bold line; isotypic control is shown on the histogram with a thin line.