

AcuK - ACI Assessment

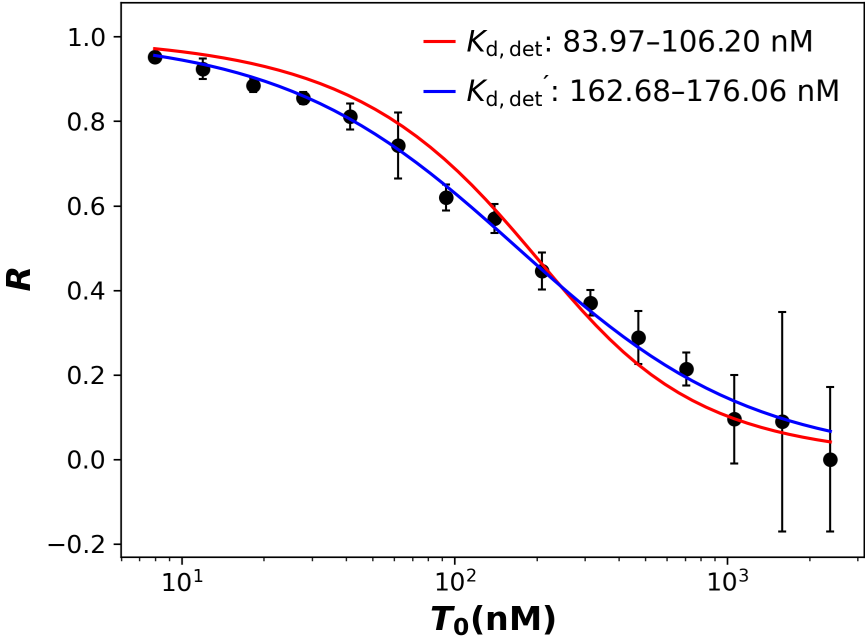
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Results: Confidence intervals of determined and true  $K_d$  with different confidence levels

Confidence levels

	68.3%	95.5%	99.7%
Confidence interval of determined $K_d$ (ECI)	83.97-106.20 nM	72.85-117.31 nM	61.74-128.42 nM
Confidence interval of true $K_d$ (ACI)	99.46-120.39 nM	93.37-127.97 nM	87.56-136.57 nM

Binding Isotherm

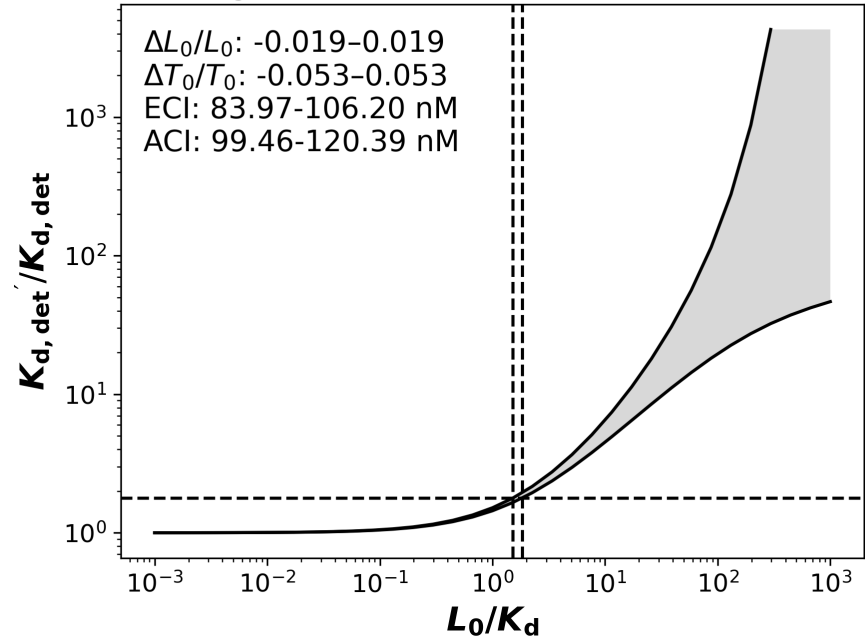


Input Data of Binding Isotherm

( $L_0= 183.0$  nM)

$T_0$ (nM)	$R$ Values	$R$ RSD
2385.0	-4.44444445 135694e-09	0.170952613 643146
1590.0	0.089082256 666667	0.259693952 365186
1059.735	0.095233475 555556	0.104543482 55911
706.755	0.213277377 777778	0.038984101 679075
471.435	0.288606455 555556	0.062645229 86613
314.025	0.3702753	0.030514968 000803
209.085	0.445797777 777778	0.043786788 671264
139.92	0.569947566 666667	0.033908812 723575
93.015	0.6193277	0.030973187 905429
62.01	0.742837166 666667	0.077809411 755809
41.34	0.810896855 555556	0.030760933 293673
27.825	0.854907255 555556	0.014508428 912714

ACI graph with 68.3% confidence



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15/02/2024 15:45 18.285	0.885011177 777778	0.015921556 226213
11.925	0.924100977 777778	0.024133986 517605
7.95	0.9520356	0.009974094 8751
0.0	0.999999922 222222	0.021520858 365245

**Analysis:**

ECI ( $K_{d,det}$ ): 83.97-106.20 nM

$K_{d,det}'/K_{d,det}$ : 1.78

$L_0/K_d$ : 1.52-1.84

ACI ( $K_{d,true}$ ): 99.46-120.39 nM

$K_{d,det}/K_{d,true}$ : 0.79-0.96