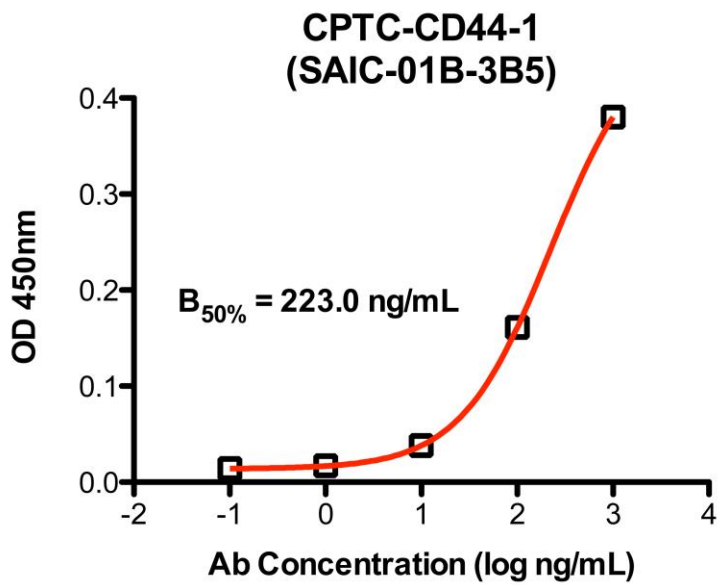


Supplemental Figure 4. ELISA data from screening recombinant monoclonal antibodies using recombinant proteins or overexpressed lysates. ELISA data were reduced using Prism™ software to calculate the 50% binding point ($B_{50\%}$). Specifically, a 4-parameter logistic fit (4PL) was applied to the data to calculate the upper and lower asymptotes along with a slope and a mid-point of the curve (the EC50 or $B_{50\%}$, which is the inflection point of the curve and represents the antibody concentration (or x-axis value) at half of the calculated maximum binding. The $B_{50\%}$ values should not be interpreted as absolute numbers that define mAb performance (i.e., not analogously to affinity constants); instead, the $B_{50\%}$ values can be used as relative values to compare the performances of the mAb within this group of mAbs.

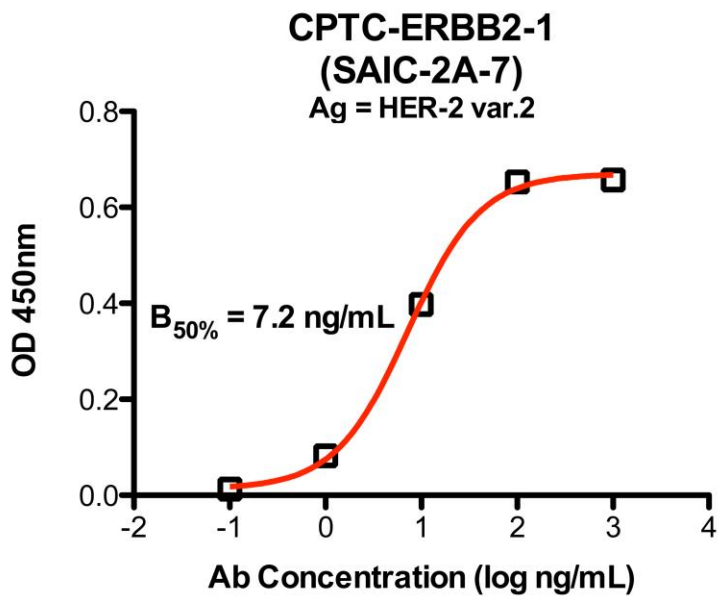
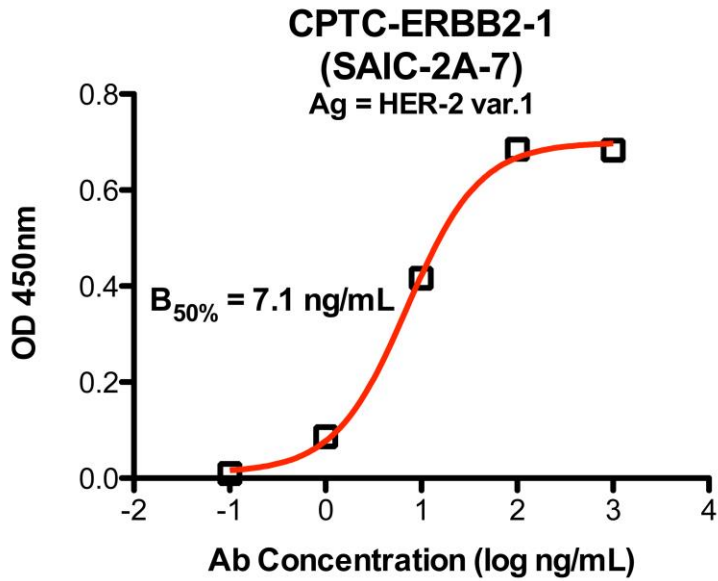
Table of contents (giving the target peptide ID, the gene symbol, and the target peptide sequence):

SAIC-01B, CD44, TFIPVTS AK.....	2
SAIC-02A, ERBB2, GLQSLPTHDP S PLQR.....	3
SAIC-07B, XPNPEP1, GSLTFEPLTLVPIQTK.....	4
SAIC-07E, XPNPEP1, T LSLDEVYLIDSGAQYK.....	5
SAIC-14C, ANXA4, DEGNYLDDALVR	6
SAIC-16D, CALR, GLQTSQDAR	7
SAIC-30C, RRM2, IEQEFLTEALPVK	8
SAIC-30E, RRM2, DIQHWESLKP EER	9
SAIC-31A, SNCG, TVEEAENIAVTSGVVR	10
SAIC-33B, TAGLN, AAEDYGVIK	11
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SAIC-40A, PRDX4, QITLNDLPVGR	14
SAIC-40C, PRDX4, LVQAFQYTDK	15
SAIC-41A, UBE2C, GISAFPESDNLFK	16
SAIC-43B, CLU, ASSIIDELFQDR	17
SAIC-103A, MUC1, EGTINVHDVETQFNQYK	18

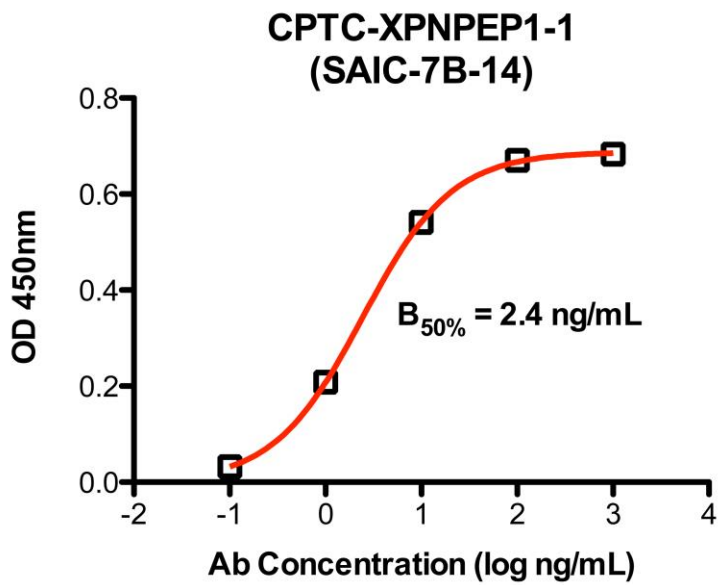


SAIC-02A, ERBB2, GLQSLPTHDPSPQLQR.

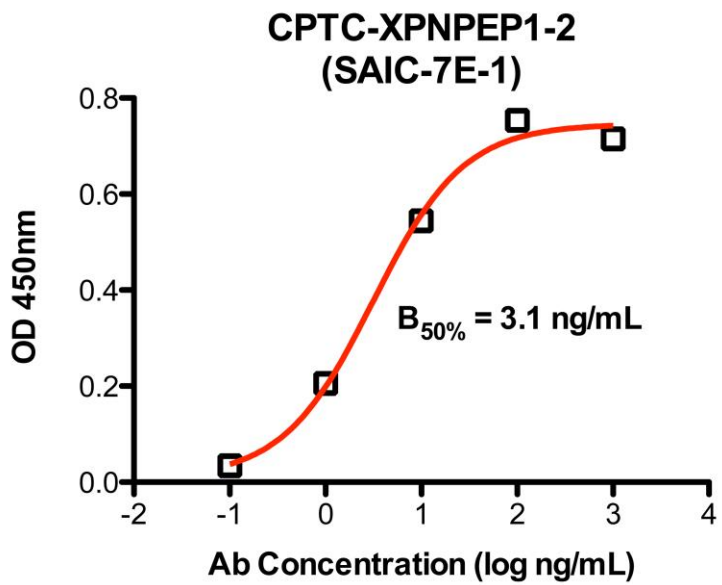
This antibody was tested using two forms of Her2 recombinant protein antigen (Ag) from Origene; variant 1 has a molecular weight of 38,000 Da, variant 2 has a molecular weight of 74,600 Da.



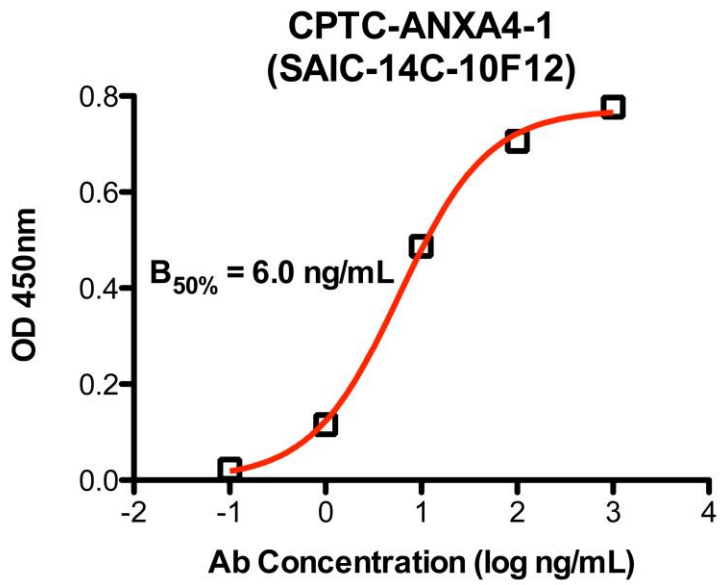
SAIC-07B, XPNPEP1, GSLTFEPLTLVPIQTK.



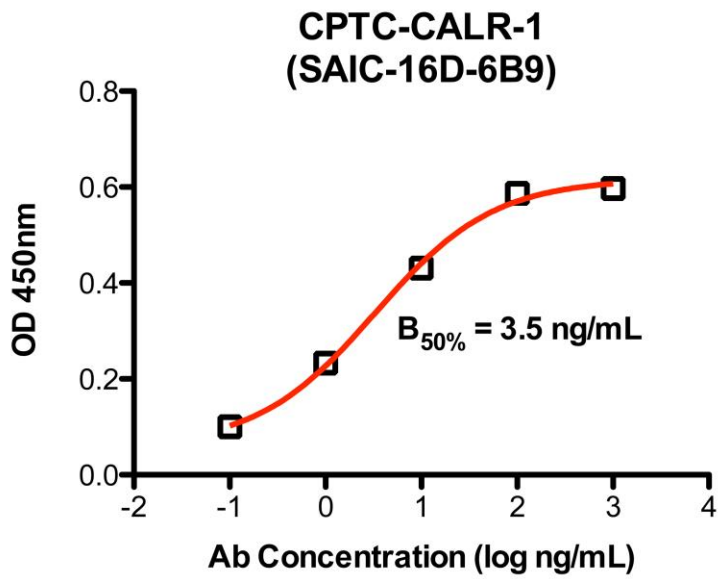
SAIC-07E, XPNPEP1, TSLDEVYLIDSGAQYK.



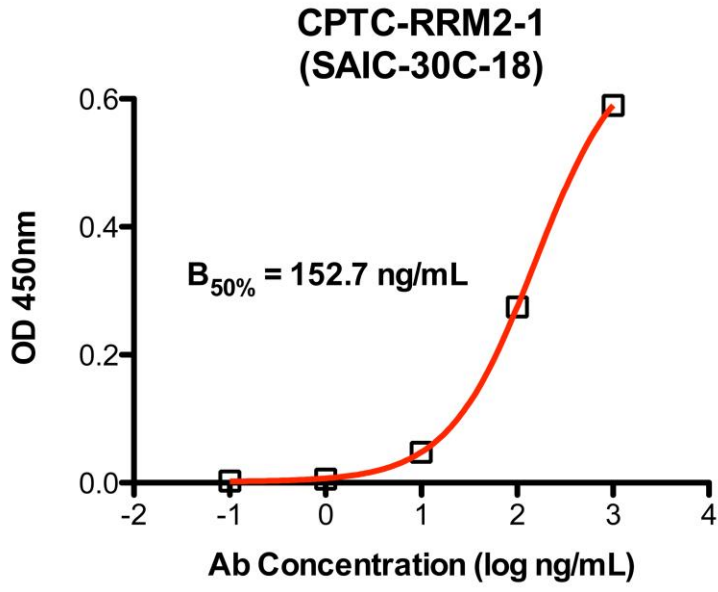
SAIC-14C, ANXA4, DEGNYLDDALVR.

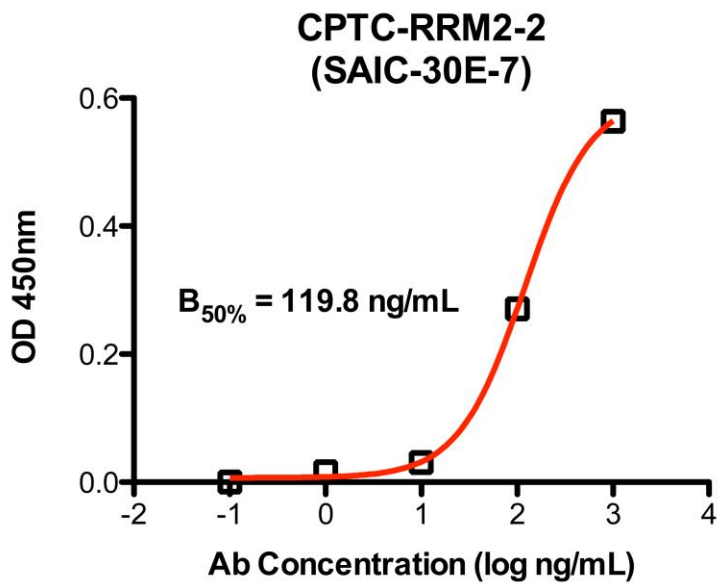


SAIC-16D, CALR, GLQTSQDAR.

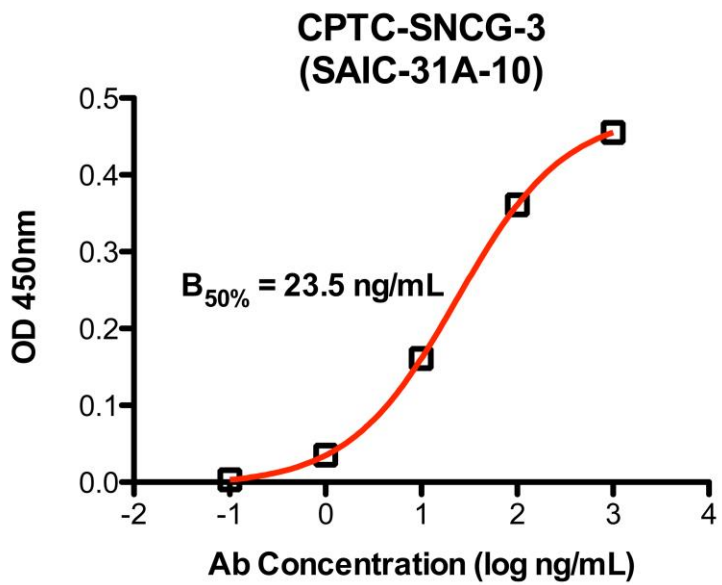


SAIC-30C, RRM2, IEQEFLTEALPVK.

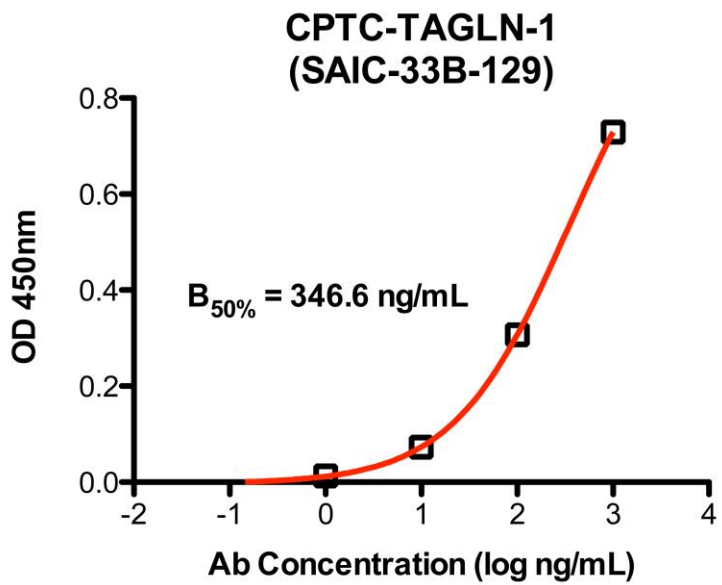


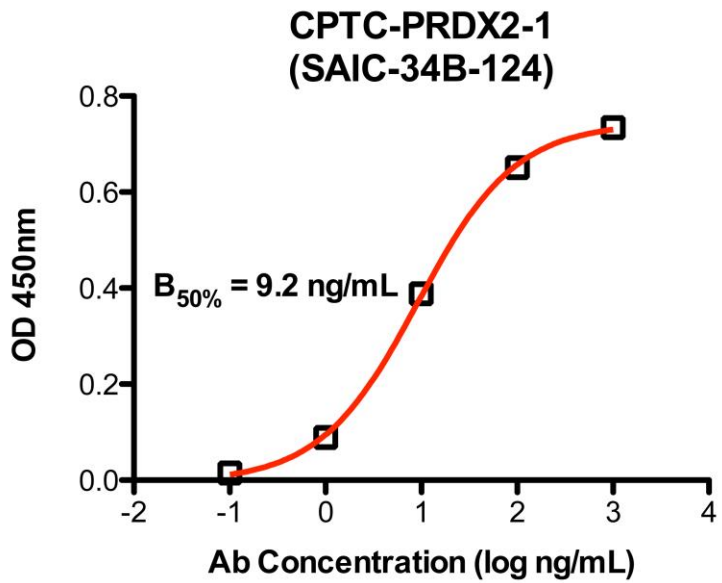


SAIC-31A, SNCG, TVEEAENIAVTSGVVR.

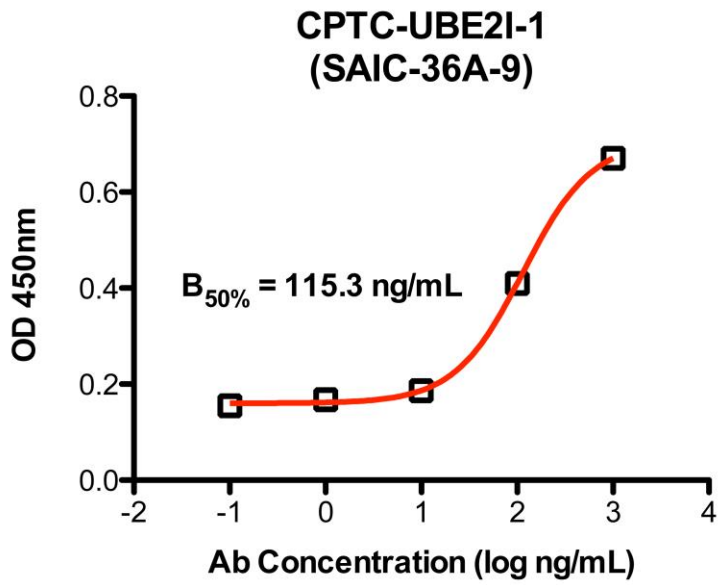


SAIC-33B, TAGLN, AAEDYGVIK.

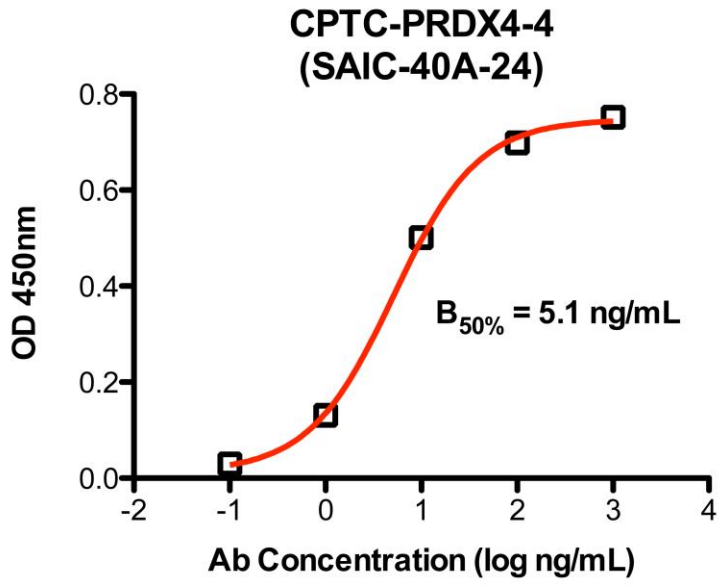


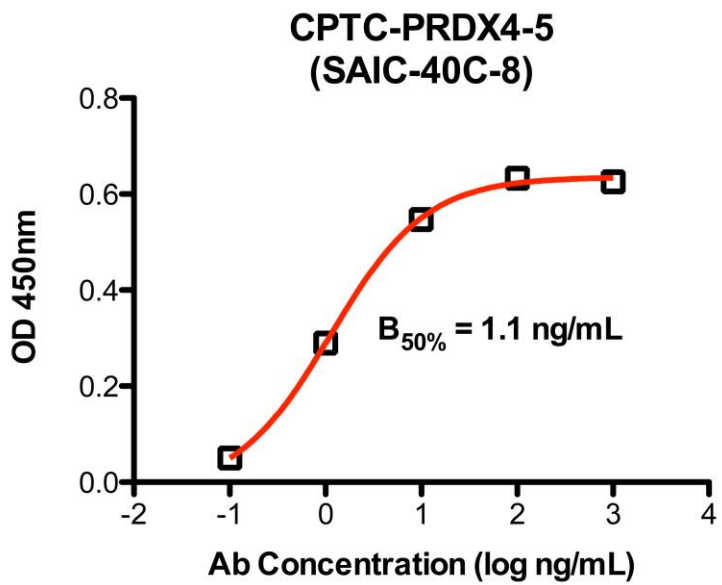


SAIC-36A, UBE2I, DHPFGFVAVPTK.

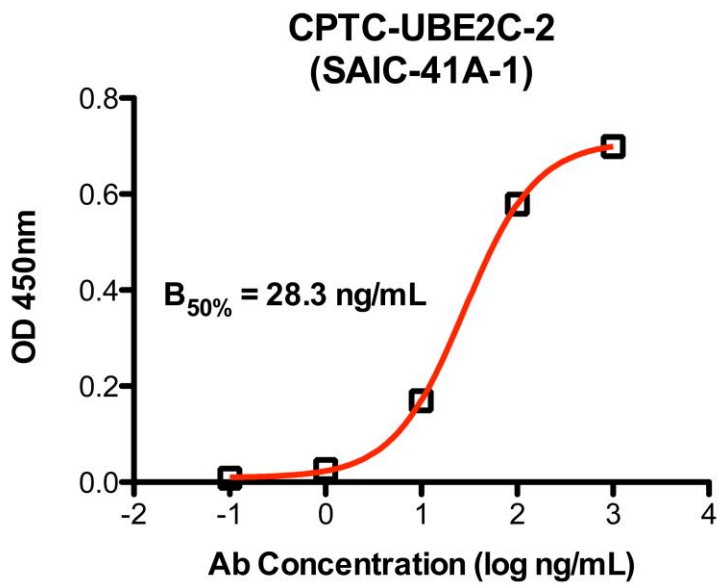


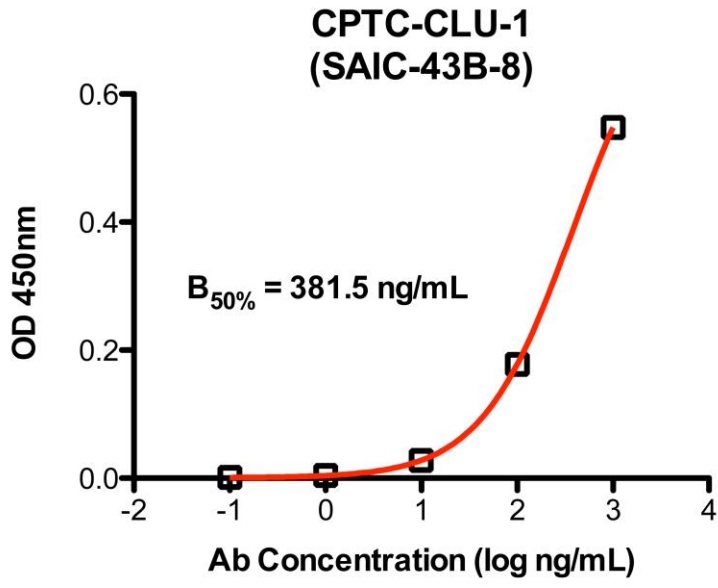
SAIC-40A, PRDX4, QITLNDLPVGR.





SAIC-41A, UBE2C, GISAFPESDNLFK.





SAIC-103A, MUC1, EGTINVHDTVETQFNQYK.

