

PRODUCT INFORMATION

Clone ID	1G9
Target	CL2A
Synonyms	N.A.
Host Species	Rabbit
Description	Anti-CL2A(ADC linker) antibody(1G9); Rabbit mAb
Delivery	In Stock
Uniprot ID	N.A.
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	N.A.
Applications	ELISA
Recommended Dilutions	ELISA 1:5000-10000
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	CL2A is a crucial component in antibody-drug conjugate (ADC) therapy, acting as a chemical linker that connects a potent DNA topoisomerase I inhibitor, SN-38, to an antibody. Representing Cysteine-Linked 2-Aminoethyl, CL2A features a complex structure with a PEG8 chain, a triazole ring, a PABC-peptide, and a maleimide group. The maleimide group binds to a cysteine residue on the antibody, facilitating targeted drug delivery. Designed to release SN-38 in acidic cancer cell environments, CL2A induces DNA damage and cell death. This versatile linker is employed in ADCs targeting various antigens like Trop-2 or HER2, tailored to specific cancer types.
Usage	Research use only



ELISA assay to evaluate Anti-CL2A Antibody
0.2μg Human IgG-CL2A per well

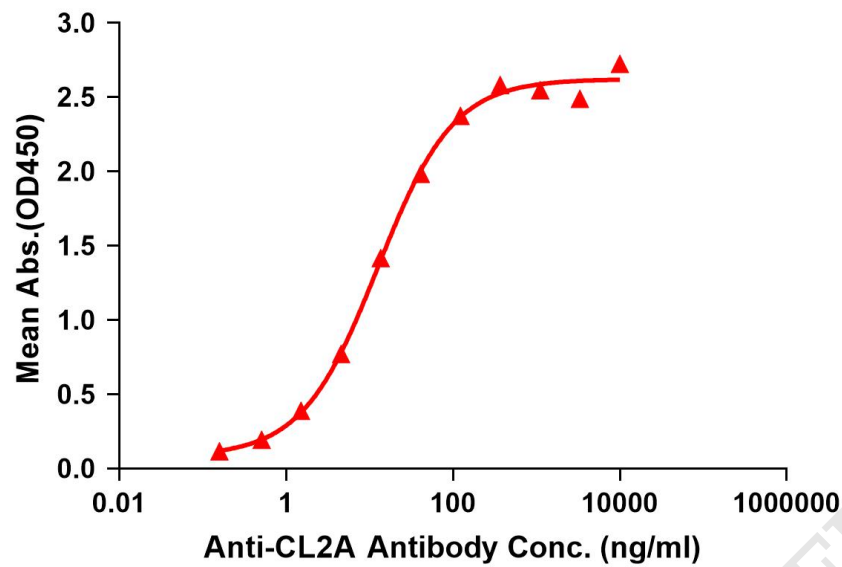


Figure1. Elisa plates were pre-coated with IgG-CL2A (0.2μg/per well). Serial diluted anti-CL2A monoclonal antibody (DME101022) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CL2A monoclonal antibody binding with IgG-CL2A is 12.57ng/ml.

