

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Clone ID                     | 1H6   |
| Target                       | CL2A  |
| Synonyms                     | N.A.  |
| Host Species                 | Rabbit  |
| Description                  | Anti-CL2A(ADC linker) antibody(1H6); 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   |
| Conjugate                    | Unconjugated  |
| DIMA Disclaimer              | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scr  |



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

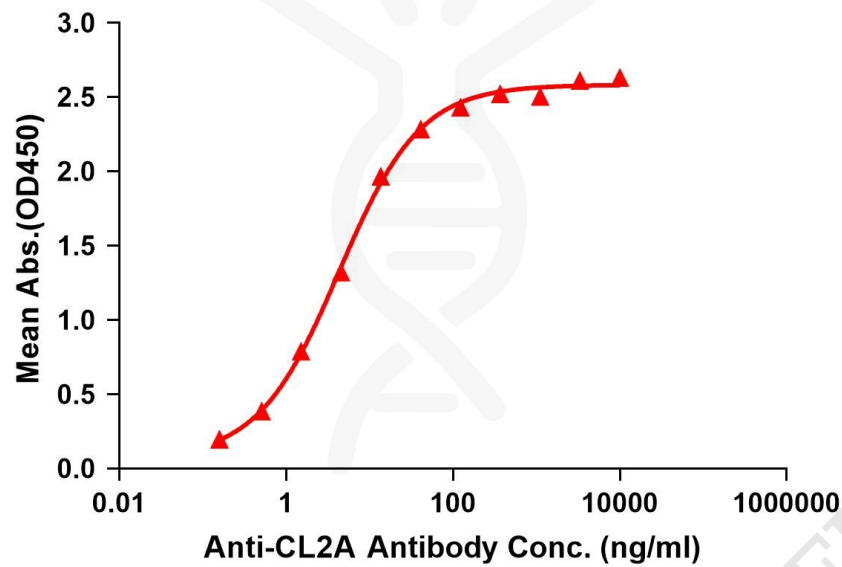


Figure1. Elisa plates were pre-coated with IgG-CL2A (0.2μg/per well). Serial diluted anti-CL2A monoclonal antibody (DME101021) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CL2A monoclonal antibody binding with IgG-CL2A is 4.325ng/ml.

