

12-9548: Anti-CL2A(ADC linker) antibody(1G9); Rabbit mAb

Clonality : Monoclonal
Clone Name : 1G9
Application : ELISA
Reactivity : N.A.
Isotype : Rabbit IgG

Description

Description :Anti-CL2A(ADC linker) antibody(1G9); Rabbit mAb

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.

Product Info

Amount : 10 µg / 100 µg
Purification : Purified from cell culture supernatant by affinity chromatography
Content : 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 condition : 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.

Application Note

ELISA 1:5000-10000

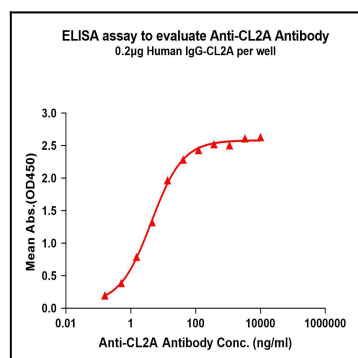


Figure 1. Elisa plates were pre-coated with IgG-CL2A (0.2µg/per well). Serial diluted anti-CL2A monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CL2A monoclonal antibody binding with IgG-CL2A is 12.57ng/ml.