

PRODUCT INFORMATION

Clone ID	1G9
Target	CL2A
Synonyms	N.A.
Host Species	Rabbit
Description	PE-conjugated Anti-CL2A(ADC linker) antibody(1G9); Rabbit mAb
Delivery	3-4 weeks
Uniprot ID	N.A.
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	N.A.
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Liquid□PBS with 0.05% Proclin300, 1% BSA
Storage & Shipping	Store at 2°C-8°C for 6 months
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	PE-conjugated

