



# Rabbit Anti-CL2A (ADC linker) Monoclonal antibody, clone 2I3 (DMAB-CS24722)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	CL2A (ADC linker)
<b>Target</b>	CL2A
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	N/A
<b>Clone</b>	2I3
<b>Purification</b>	Affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA. Recommended Dilution: 1:5000-10000
<b>Format</b>	Lyophilized
<b>Size</b>	10 µg, 100 µg, 500 µg
<b>Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
<b>Preservative</b>	None
<b>Storage</b>	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).

## BACKGROUND

**Introduction**

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.

**Keywords**

CL2A; 2616704-22-2; ADC Linker; Antibody-drug conjugates linker; Inhibitor