

Mouse Anti-PEG monoclonal antibody, clone 26-3C (CABT-L3129)

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

PRODUCT INFORMATION

Product Overview	26-3C is an IgG anti-mPEG monoclonal antibody. This antibody displays high affinity for the terminal methoxy group of PEG and can be employed as a detection antibody for the quantification of mPEG. It is especially suitable for detection of PEGylated liposomes and nanoparticles.
Specificity	26-3C is an IgG anti-mPEG monoclonal antibody. This antibody displays high affinity for the terminal methoxy group of PEG and can be employed as a detection antibody for the quantification of mPEG. It is especially suitable for detection of PEGylated liposomes and nanoparticles.
Target	Methoxy polyethylene glycol
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	N/A
Clone	26-3C
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ELISA, WB, FC
Format	Liquid
Concentration	Lot specific
Size	500 µg

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Buffer	PBS
Preservative	0.1% Sodium Azide
Storage	Long time storage is recommended at -20°C.
Ship	Dry ice

BACKGROUND

Introduction	PEG (polyethylene glycol) is a water-soluble, nontoxic, biocompatible polymer that has been approved by the Food and Drug Administration (FDA) for human intravenous, oral and dermal applications. Attachment of PEG chains to proteins can reduce their immunogenicity, minimize proteolytic cleavage and increase their serum half-life. PEG has also been attached to small molecules and liposomes for more selective delivery. PEG-modification of superparamagnetic iron oxide and quantum dots can improve their biocompatibility and reduce non-specific uptake. PEG antibodies can be a vital tool for propelling therapeutics to market by serving as a positive control anti-drug antibody, measuring clearance of a drug, or simply as a QA release confirming PEGylation.
Keywords	Polyetheylene Glycol; PEG

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