



# Mouse Anti-PEG monoclonal antibody, clone 4.4 (CABT-L3127)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody displays high affinity for the PEG backbone and is especially suitable as a detection antibody for the quantification of PEGylated molecules. 4.4 is compatible with washing buffers containing Tween-20.
<b>Specificity</b>	This antibody displays high affinity for the PEG backbone and is especially suitable as a detection antibody for the quantification of PEGylated molecules and can be employed to measure PEG-modified protein by ELISA. This clone 4.4 is compatible with washing buffers containing Tween-20.
<b>Target</b>	Polyethylene glycol
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	N/A
<b>Clone</b>	4.4
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB, FC, IHC
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	500 µg

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

## BACKGROUND

<b>Introduction</b>	<p>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.</p>
<b>Keywords</b>	Polyetheylene Glycol; PEG