



# Mouse Anti-PEG monoclonal antibody, clone BHQ4 (CABT-L3131)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody binds to the PEG backbone and is suitable for capture of PEGylated compounds in ELISA as well as the detection of PEGylated molecules.
<b>Specificity</b>	This antibody binds to the PEG backbone and is suitable for capture of PEGylated compounds in ELISA as well as the detection of PEGylated molecules.
<b>Target</b>	Polyethylene glycol
<b>Isotype</b>	IgM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	N/A
<b>Clone</b>	BHQ4
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB, 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>	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.
---------------------	---

<b>Keywords</b>	Polyetheylene Glycol; PEG
-----------------	---------------------------