



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

Product Overview	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.
Specificity	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.
Target	Polyethylene glycol
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	4.4
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ELISA, WB, FC, IHC
Format	Liquid
Concentration	Lot specific
Size	500ug
Buffer	PBS
Preservative	0.1% Sodium Azide
Storage	Long time storage is recommended at -20°C.
Ship	Wet ice
Warnings	For research use only.

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

Polyethylene Glycol; PEG
