



Mouse Anti-PEG monoclonal antibody, clone 7.4 (CABT-L3128)

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

PRODUCT INFORMATION

Product Overview	<p>7.4 is a high affinity IgG anti-PEG monoclonal antibody. 7.4 binds the PEG backbone and can be employed as a detection antibody for the quantification of PEG. 7.4 binds to a smaller epitope of the PEG backbone than our other antibodies.</p> <p>7.4 is not compatible with detergents that contain a ethylene oxide backbone such as Tween 20. We recommend replacing Tween-20 with 0.05% CHAPS detergent in all wash buffers.</p>
Specificity	<p>7.4 is a high affinity IgG anti-PEG monoclonal antibody. It binds the PEG backbone and can be employed as a detection antibody for the quantification of PEG.</p> <p>7.4 is not compatible with detergents that contain a ethylene oxide backbone such as Tween 20. We recommend replacing Tween-20 with 0.05% CHAPS detergent in all wash buffers.</p>
Target	Polyethylene glycol
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	7.4
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ELISA, WB, FC
Format	Liquid
Concentration	Lot specific

Size	500 µg
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 Polyethylene Glycol; PEG