



Rat Anti-PEG monoclonal antibody, clone S44H (CABT-L3130)

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

PRODUCT INFORMATION

Product Overview	S44H is a rat IgG monoclonal antibody that binds a wide spectrum of PEG molecules with high affinity. It can be used with Tween-20.
Specificity	S44H is a rat IgG monoclonal antibody that binds a wide spectrum of PEG molecules with high affinity. It can be used with Tween-20.
Target	Polyethylene glycol
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	N/A
Clone	S44H
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Concentration	Lot specific
Size	500 µg
Buffer	PBS
Preservative	0.1% Sodium Azide

Storage	Long time storage is recommended at -20°C.
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Ship	Dry ice
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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.
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Keywords	Polyetheylene Glycol; PEG
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