



Mouse Anti-PEG monoclonal antibody, clone F22 (CABT-L3126)

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

PRODUCT INFORMATION

Product Overview	F22 is a first generation IgG mouse monoclonal antibody that specifically binds to the backbone (repeating ethylene oxide subunits) of PEG. This clone can be employed to measure PEG-modified protein by ELISA.
Specificity	F22 is an IgG mouse monoclonal antibody that specifically binds to the backbone (repeating ethylene oxide subunits) of PEG.
Target	Polyethylene glycol
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	F22
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ELISA, WB, FC, IHC
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	<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>
Keywords	Polyetheylene Glycol; PEG