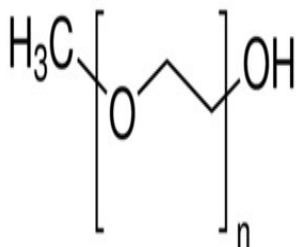


Product Specification Sheet

□ Cat.# PEG11-S
□ Cat.# PEG11-A

Rabbit Anti-mPEG IgG, Affinity Pure
Rabbit Anti-mPEG antiserum

Size: 100 ug
Size: 100 ul



PEGylation is a process of covalent and non-covalent attachment of polyethylene glycol (PEG) polymer chains to molecules such as drugs or therapeutic proteins. The covalent attachment of PEG to a drug or protein can reduce the

immunogenicity, antigenicity, and increase the hydrodynamic size which prolong its circulatory time. PEGylation imparts several pharmacological advantages such as improved drug solubility, reduced dosage frequency, extended circulating life, increased drug stability, and enhanced protection from proteolytic degradation. Currently, 15 PEGylated pharmaceuticals have received FDA approval; Adynovate, Plegridy, Naloxegol, Peginsectide, Pegloticase, Certolizumab pegol, Methoxy polyethylene glycol-epoetin beta, Pegaptanib, Pegvisomant, Peginterferon alfa-2a, Doxorubicin HCL liposome, Peginterferon alfa-2b, Pegaspargase, and Pegademase bovine.

Source and Forms of Monoclonal antibodies

Immunogen	PEG-KLH
Antibody Host/type	Rabbit, polyclonal antiserum (Cat# PEG11-S) Rabbit polyclonal antibody antigen affinity purified (Cat#PEG11-A). Supplied in 0.01% Sodium Azide as preservative.
Secondary antibody	Goat Anti-Rabbit IgG-HRP cat # 20320 (AP, biotin, FITC conjugates also available)
Negative control IgG	Cat# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC, IP as a negative control

This antibody can recognize PEG chains of 2000 or greater. It has been shown to recognize both linear and branched PEG chains. Detects conjugated PEG, has not been verified against free PEG or methoxy vs non-methoxy PEG.

***Tween-20 is used in most common antibody diluent and wash buffers. Tween-20 contains PEG and will interfere with the sensitivity of the assay by binding to the antibody. It is recommended that a detergent that doesn't contain PEG such as CHAPS 0.05% is used instead.**

Conjugation: Antibodies can be conjugated to HRP, Biotin, FITC, and colloidal gold on request.

Recommended Usage

Western Blotting: Use at a concentration of 0.5 ug/ml to 5 ug/ml

ELISA: An A450 value of 1.0 was obtained at a 1:200,000 dilution against 1 ug/ml of PEG-BSA (Cat#PEG-BSA-20K) coated antigen using Cat# PEG-11S

IHC: 5-10 ug/ml

Suggested concentrations are a starting point, user's must optimize conditions based on their own assay.

Storage:

Short-term: unopened, undiluted vials for less than a week at 4°C.

Long-term: at -20°C or below in suitable aliquots after reconstitution.

Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20°C or below.

Shipping: 4°C for solutions and room temp for powder.

This product is for in vitro research use only.

Related material available from ADI

Catalog#	Description
PEG-010	Human Anti-PEG IgG, 96 tests, Quantitative
PEG-020	Human Anti-PEG IgM, 96 tests, Quantitative
PEG-030	Mouse Anti-PEG IgG, 96 tests, Quantitative
PEG-040	Mouse Anti-PEG IgM, 96 tests, Quantitative
PEG11-A	Rabbit Anti-mPEG IgG, Affinity Pure
PEG11-S	Rabbit Anti-mPEG antiserum
PEG13-M-1	Mouse Monoclonal anti-PEG (backbone specific) IgG (Clone #1)
PEG13-M-2	Mouse Monoclonal anti-PEG (backbone specific) IgG (Clone #2)
PEG13-M-3	Mouse Monoclonal anti-PEG (backbone specific) IgG (Clone #3)
PEG-BSA-05K	mPEG-BSA (Molecular Weight: 5,000-linear)
PEG-BSA-10K	mPEG-BSA (Molecular Weight: 10,000-linear)
PEG-BSA-20K	mPEG-BSA (Molecular Weight: 20,000-linear)
PEG-BSA-40K	mPEG-BSA (Molecular Weight: 40,000-linear)
PEG-BTN	mPEG-Biotinylated (MW: 5000)
PEG-AFP-02P	Protein purification kit (Antibody based affinity matrix; sufficient to purify 1-2 mg PEG from Bioprocessed material), 2 ml column
PEG-AFP-10A	mPEG antibody purification kit (mPEG based affinity matrix; sufficient to purify 10-20 mg of antibody from immunized animals) 10 ml column

PEG11-S-A

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