

Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6)

Catalog # PEG-M687



Source

Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) is a recombinant mouse monoclonal antibody expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

5G3-1C6

Isotype

Mouse IgG1, Kappa

Host Species

Mouse

Reactivity

Chemical

Immunogen

PEG

Specificity

Specifically recognizes PEG.

Application

Application	Recommended Usage
ELISA	0.2-2 µg/mL
MSD	Suitable and internally validated for detecting anti PEG antibodies

Purification

Protein A purified / Protein G purified.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored in a lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

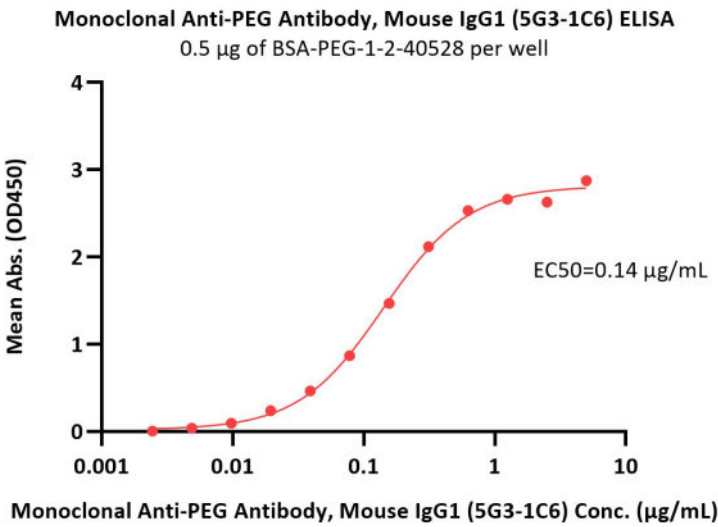
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Notices

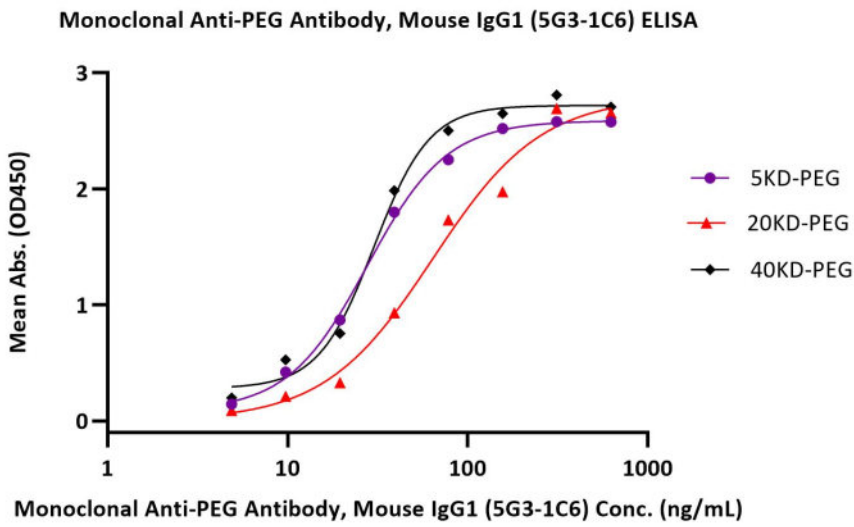
ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA

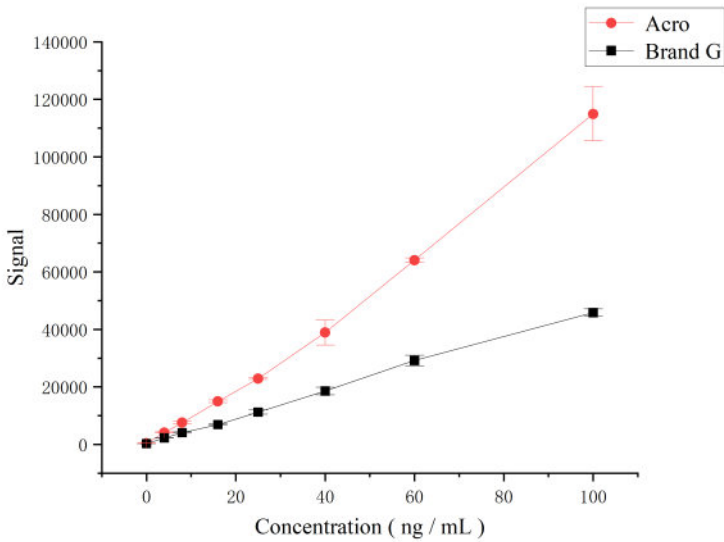


Immobilized BSA-PEG-1-2-40528 at 5 µg/mL (100 µL/well) can bind Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) (Cat. No. PEG-M687) with a linear range of 0.002-0.313 µg/mL (QC tested).



Immobilized 5KD-PEG/20KD-PEG/40KD-PEG at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) (Cat. No. PEG-M687) with a linear range of 5-78 ng/mL (Routinely tested).

Bioactivity-MSD



MSD assay for the Detection of anti-IFN-PEG(Hide drug info) in Human Serum.

Immobilized Biotin Human IFN on MSD Gold™ 96-well Streptavidin Plate,can bind anti-IFN-PEG when detected by Sulfo Anti-PEG Antibody.Use the MESO QuickPlex SQ 120 MM instrument for analysis.

Background

Polyethylene glycol (PEG) is a synthetic polymer widely used in pharmaceuticals as a stabilizer and excipient. PEGylation—the attachment of PEG chains to proteins or drugs—improves solubility, prolongs circulation half life, and reduces immunogenicity. Several PEGylated therapeutics, such as PEG interferon and PEG filgrastim, are already in clinical use. However, anti PEG antibodies may affect drug efficacy, making reliable detection tools essential for research and quality control.



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