

Source

Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with PEG.

Isotype

Mouse IgG1/kappa

Specificity

This product is a specific antibody specifically reacts with PEG.

Purity

>95% as determined by SDS-PAGE.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

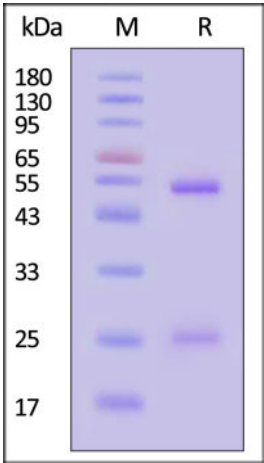
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

SDS-PAGE



Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

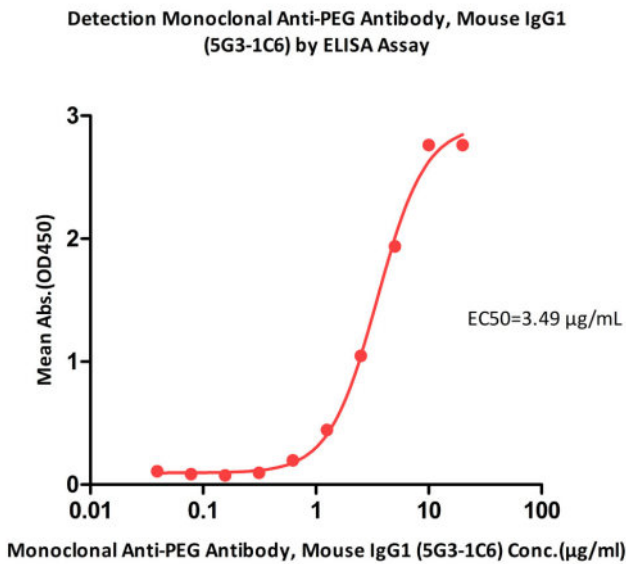
Bioactivity-Elisa

Discounts, Gifts,
and more!

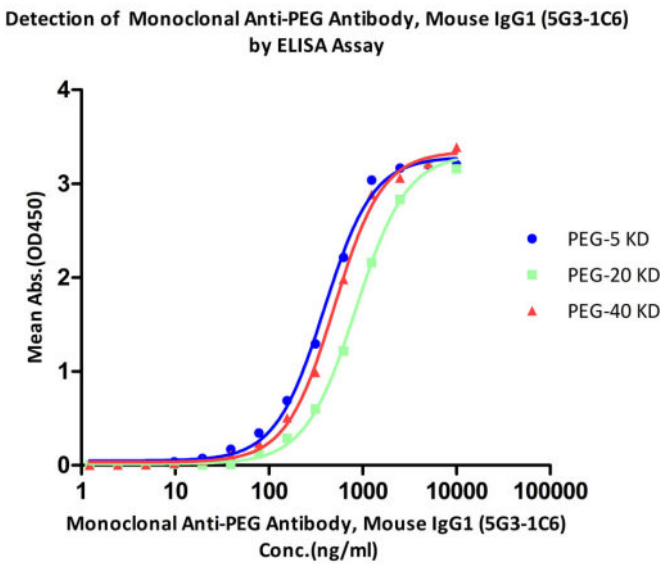


Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6)

Catalog # PEG-Y155

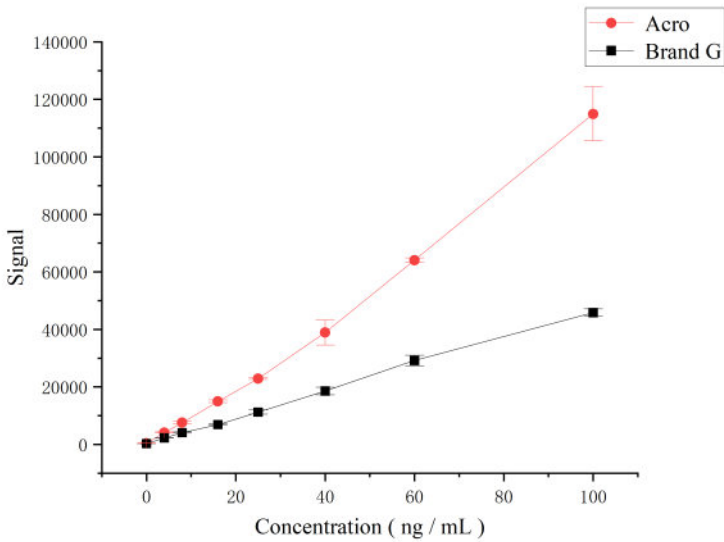


Coated 20KD PEG,at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) (Cat. No. PEG-Y155) with a linear range of 0.31-5 µg/mL (QC tested).



Immobilized PEG-5000, PEG-20000 and PEG-40000 can bind Monoclonal Anti-PEG Antibody, Mouse IgG1 (5G3-1C6) (Cat. No. PEG-Y155) (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, referred to as PEG, is used as an inactive ingredient in the pharmaceutical industry as a solvent, plasticizer, surfactant, ointments, and suppository base, and tablet and capsule lubricant. PEG has low toxicity with systemic absorption less than 0.5%. PEGylation occurs when PEGs are attached to various protein medications, allowing for greater solubility for certain drugs. Examples of PEGylated medications include PEG-interferon alpha (Pegintron) and PEG-filgrastim (Neulasta)

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

