



## Source

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

## Clone

5G3-1C6

## Species

Mouse

## Isotype

Mouse IgG1 | Mouse Kappa

## Conjugate

Unconjugated

## Antibody Type

Recombinant Monoclonal

## Reactivity

Chemical

## Immunogen

PEG.

## Specificity

Specifically recognizes human PEG.

## Application

Application	Recommended Usage
ELISA	5-625 ng/mL

## Purity

>90% as determined by SDS-PAGE.

## Purification

Protein A purified/ Protein G purified

## Formulation

Lyophilized from 0.22  $\mu$ m 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

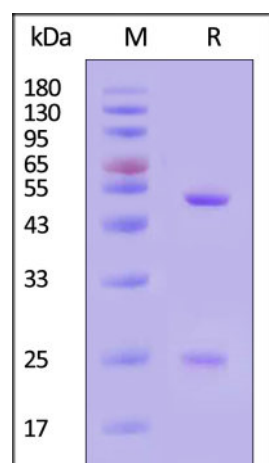
For long term storage, the product should be stored at lyophilized state at  $-20^{\circ}\text{C}$  or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  for 12 months in lyophilized state;
- $-70^{\circ}\text{C}$  for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



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and more!



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

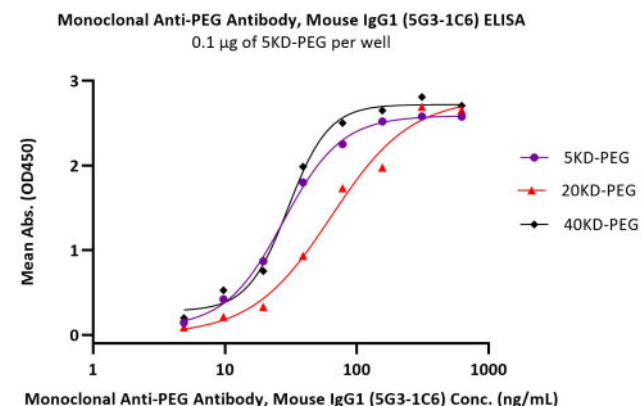
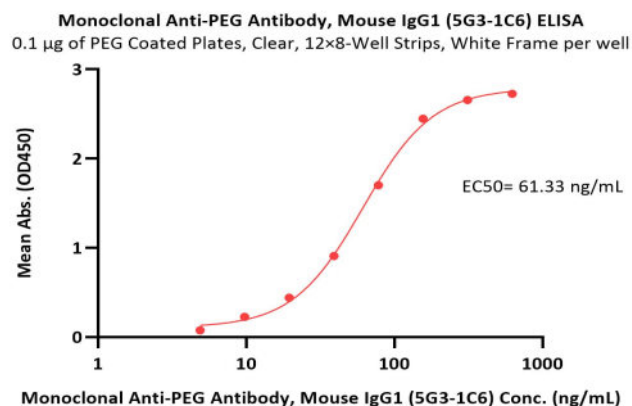
Catalog # PEG-M687



BIOSYSTEMS  
**Acro**

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 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

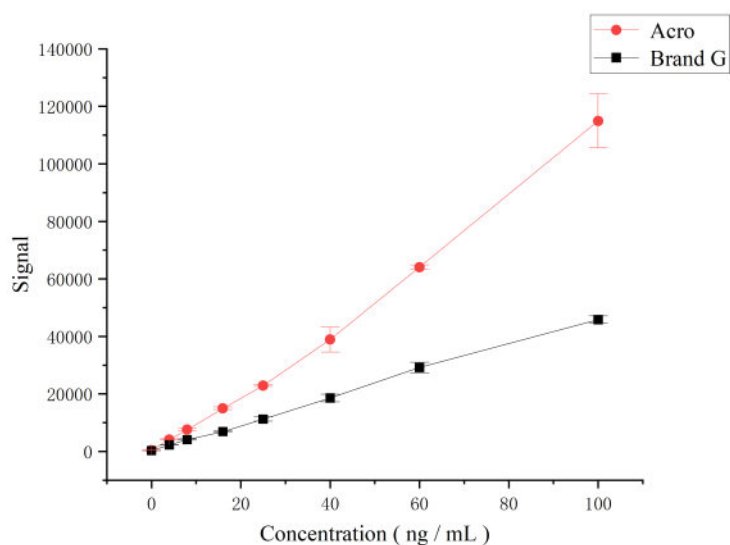
## Bioactivity-ELISA



Immobilized PEG Coated Plates, Clear, 12x8-Well Strips, White Frame 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 5-156 ng/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, 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

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9/2/2024

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