

Source

Monoclonal Anti-Human-IgG Antibody, Mouse IgG1 (6F11C8) antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Human-IgG.

Isotype

Mouse IgG1 | Mouse Kappa

Specificity

This product is a specific antibody specifically reacts with Human-IgG.

Application

ELISA

Purity

>95% as determined by SDS-PAGE.

Endotoxin

Less than 1.0 EU per mg by the LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4 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

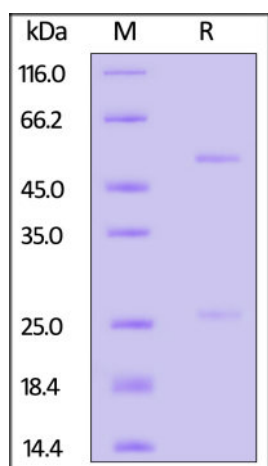
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.
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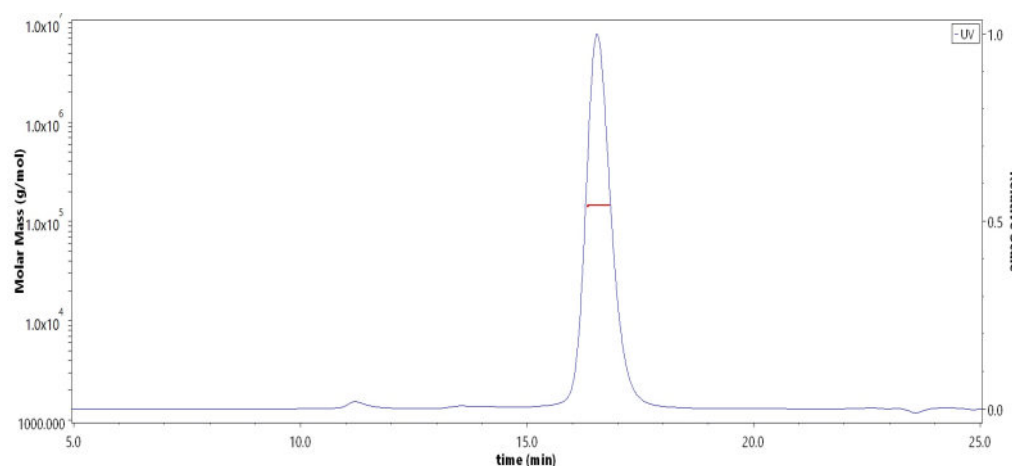
SDS-PAGE



Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (6F11C8) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

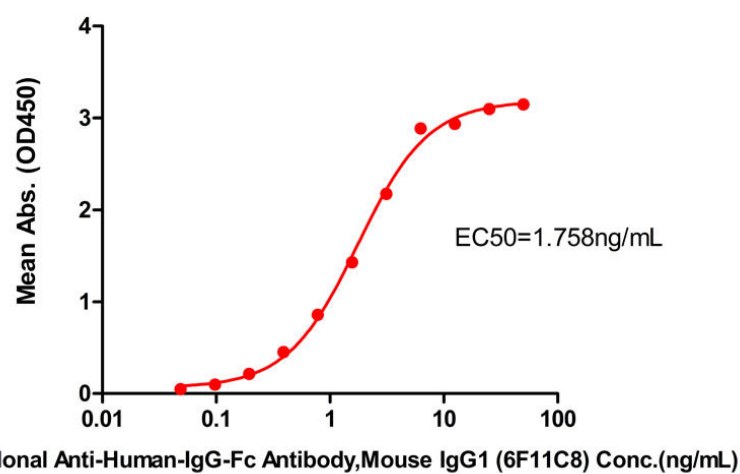
Bioactivity-Elisa

SEC-HPLC



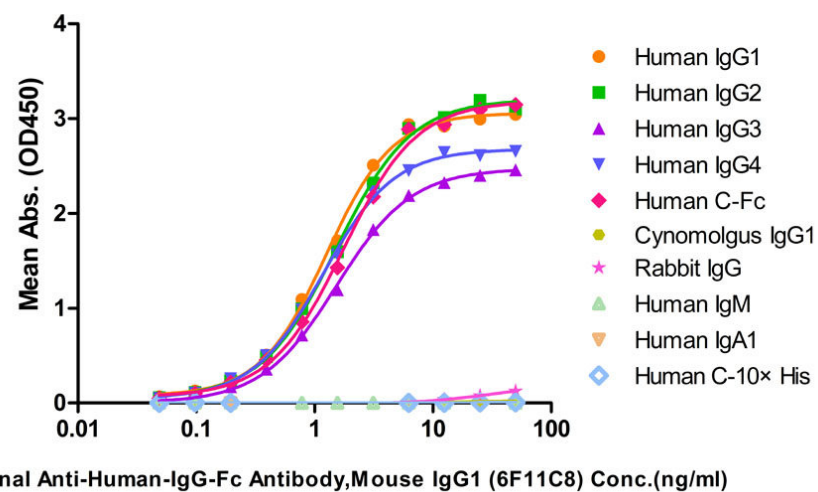
The purity of Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (6F11C8) (Cat. No. IGG-AY69) is more than undefined and the molecular weight of this protein is around 135-155kDa verified by SEC-MALS.

Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (6F11C8) ELISA
0.2ug of Human ACE2 Protein, Fc Tag per well



Immobilized Human ACE2 Protein, Fc Tag (Cat. No. AC2-H5257) at 2µg/mL (100µL/well) can bind Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (6F11C8) (HPLC verified) (Cat. No. IGG-AY69) with a linear range of 0.10-3.13 ng/mL (QC tested).

Detection Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (6F11C8) by ELISA Assay



Immobilized Anti-SARS-CoV-2 Spike RBD Broadly Neutralizing Antibody, Human IgG1 (AM359b) (Cat. No. SPD-M265), Human IgG2 (AM359b) (Cat. No. SPD-M400a), Human IgG3 (AM359b) (Cat. No. SPD-M401a), Human IgG4 (AM359b) (Cat. No. SPD-M402a) and Human ACE2 / ACEH Protein, Fc Tag (Cat. No. AC2-H5257) can bind Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (6F11C8) (HPLC verified) (Cat. No. IGG-AY69). The antibody does not bind Anti-SARS-CoV-2 Spike RBD Neutralizing Antibody, Chimeric mAb, Cynomolgus IgG1 (AM122) (Cat. No. SPD-M201), Anti-SARS-CoV-2 Omicron Antibody-3A7C12, Rabbit IgG (Cat. No. SPD-C73), Anti-SARS-CoV-2 Spike RBD Neutralizing Antibody, Chimeric mAb, Human IgM (AM122) (Cat. No. SPD-M162), Anti-SARS-CoV-2 Spike RBD Antibody, Chimeric mAb, Human IgA1 (AM130) (Cat. No. S1N-M164) and Human CD19 (20-291) Protein, His Tag DMF Filed (Cat. No. CD9-H52H2) (Routinely tested).

Background

Immunoglobulins can be divided into five main classes/isotypes which are IgA, IgD, IgE, IgG, and IgM. IgG class identity is determined by class-specific sequences in the Fc region of the heavy chain. IgG antibody class are the most abundant immunoglobulins isotype in blood, lymph fluid, cerebrospinal fluid and peritoneal fluid. IgGs include four subclasses (IgG1, IgG2, IgG3, and IgG4). The IgG subclasses differ in their physical and chemical properties. Their distribution pattern is found to be age dependent and every subclass has a specific biological function.

Clinical and Translational Updates

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