



Source

Monoclonal Anti-Mouse IgG2b Antibody, Rabbit IgG (P1F04) is a Rabbit monoclonal antibody recombinantly expressed from HEK293 cells.

Clone

P1F04

Species

Rabbit

Isotype

Rabbit IgG | Rabbit Kappa

Conjugate

Unconjugated

Antibody Type

Recombinant Monoclonal

Reactivity

Specifically recognizes Mouse IgG2b Fc, no rerecognizes Mouse IgG1 Fc, Mouse IgG2a Fc and Mouse IgG3 Fc.

Immunogen

Recombinant Mouse IgG2b Fc Protein is expressed from human 293T cells.

Specificity

This product is a specific antibody specifically reacts with IgG2b.

Application

Application	Recommended Usage
ELISA	0.1-63 ng/mL

Cross Verification

This product No cross-reactivity in ELISA with Mouse IgG Fc, Tag Free (Cat. No. IG1-M5208).
 Mouse IgG2a Fc, Tag Free (Cat. No. IGA-M5207).
 Mouse IgG3 Fc Protein, Tag Free (Cat. No. IG3-M5214).
 Mouse IgE Fc Protein, His Tag (Cat. No. IGE-M52H3).
 Monoclonal Anti-Human Phospho-Tau (Thr217) Antibody, Mouse IgM (6G7C8) (Cat. No. PT7-Y2074).
 Human IgG Fc, Tag Free (Cat. No. FCC-H5214).
 Human IgG2 Fc, Tag Free (Cat. No. IG2-H5206).
 Human IgG3 Fc, Tag Free (Cat. No. IG3-H5200).
 Human IgG4 Fc, Tag Free (Cat. No. IG4-H5205).

Purity

>95% as determined by SDS-PAGE.
 >90% as determined by SEC-MALS.

Purification

Protein A purified / Protein G purified

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.

**Discounts, Gifts,
and more!**



Monoclonal Anti-Mouse IgG2b Antibody, Rabbit IgG (P1F04) (MALS verified)

Catalog # IGB-MY2176

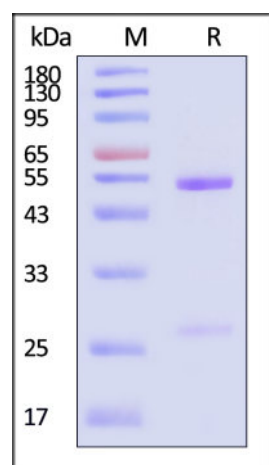


BIOSYSTEMS
Acro
Surprise Inside!

Mouse IgG3 Fc, Tag Free (Cat. No. IG3-M5201).

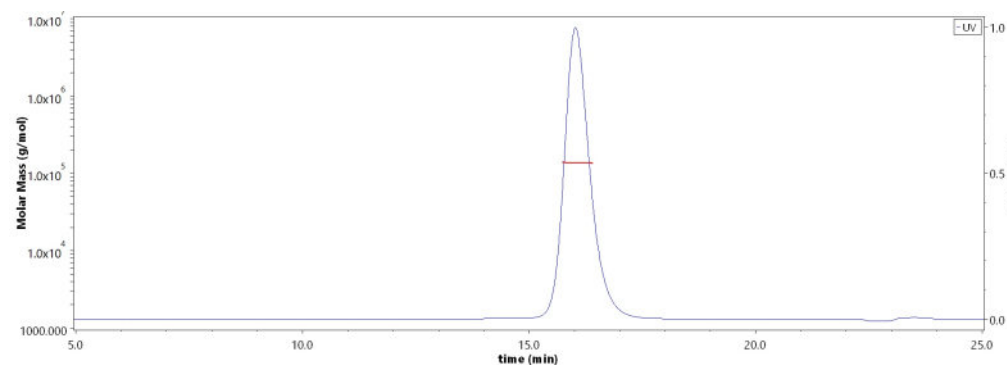
Mouse IgG3 Fc Protein, Tag Free (Cat. No. IG3-M5214).

SDS-PAGE



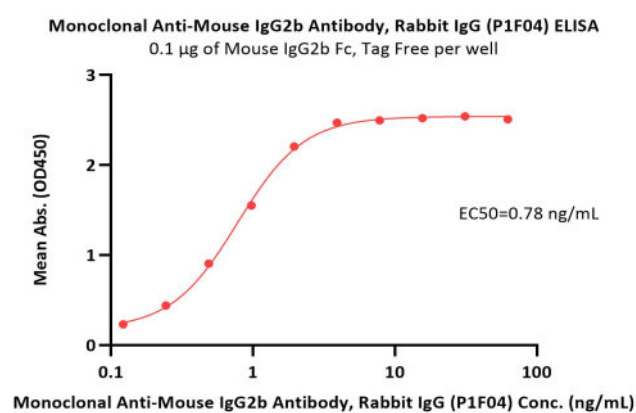
Monoclonal Anti-Mouse IgG2b Antibody, Rabbit IgG (P1F04) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Monoclonal Anti-Mouse IgG2b Antibody, Rabbit IgG (P1F04) (Cat. No. IGB-MY2176) is more than 90% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS. [Report](#)

Bioactivity-ELISA



Immobilized Mouse IgG2b Fc, Tag Free (Cat. No. IGB-M5203) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Mouse IgG2b Antibody, Rabbit IgG (P1F04) (Cat. No. IGB-MY2176) with a linear range of 0.1-2 ng/mL (QC tested).

Background

Immunoglobulin G2 (IgG2) is a member of many immunoglobulin G developed and secreted by effective B cells. In wake of cutting by pepsin, IgG is divided into two F(ab)s with one antigen binding site and a high conserved Fc segment. The Fc segment bears a highly conserved N-glycosylation site. There are two members of IgG2: IgG2a and IgG2b.

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