

Recombinant Mouse IgG2aFc protein

Cat. No. IgG2aFc-961M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IgG2aFc (Glu98-Lys330) protein carried no tag and was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	Glu98-Lys330
Description	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. It was found that IgG2a was superior to IgG1 in activating complement. The glycosylation of the circulating immunoglobulin-γ (IgG) antibody molecules changes in rheumatoid arthritis.
Predicted N Terminal	Glu98
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 26.4 kDa. As a result of glycosylation, the protein migrates as 25-30 kDa under reducing (R) condition, and 50-60 kDa under non-reducing (NR) condition (SDS-PAGE).

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

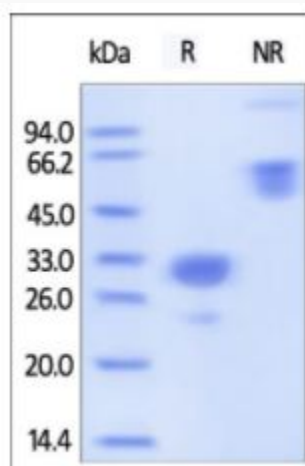
Gene Name	IgG2aFc
Official Symbol	IgG2aFc
Synonyms	Igg2a; Gm16697
Gene ID	668478
UniProt ID	A0A0A6YW37

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**SDS-PAGE of
IgG2aFc-961M**



Mouse IgG Fc, Tag Free on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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