

Recombinant Mouse Ighg, Biotinylated

Cat. No. Ighg-718M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant mouse Fc control protein is expressed as a 233 amino acid protein consisting of Glu98 - Lys330 region of mouse IGHG or Ig gamma-2A chain C region, A allele (UniProt accession #P01863), which exists as a dimer under non-reducing condition.
Species	Mouse
Source	Human Cells
ProteinLength	98-330 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Molecular Mass	Calculated molecular mass 26.4 kDa; estimated by SDS-PAGE under reducing condition 30-35 kDa probably due to glycosylation
Endotoxin	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition.
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted

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protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [Ighg Immunoglobulin heavy chain \(gamma polypeptide\) \[Mus musculus \]](#)

Official Symbol [Ighg](#)

Synonyms IGHG; Immunoglobulin heavy chain (gamma polypeptide); IGHG2A; AU044919; MGC102604; MGC102659;

Gene ID [380794](#)

mRNA Refseq

Protein Refseq

MIM

UniProt ID

Pathway

Adaptive Immune System, organism-specific biosystem; Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem;

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