



## Recombinant Mouse IgG2A-Fc domain

Cat No: Pr00102-2.5

### Product Summary

**Description:** Recombinant mouse Immunoglobulin gamma-2A heavy chain constant region (IgG2A-Fc), manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Mouse IgG2A-Fc domain

**Structure / Form:** Disulfide-linked homodimer

**Species:** Mouse

**Construct:** Mouse IgG2A-Fc domain (E98-K330)

**Host:** HEK293

**UniProt Accession Number:** P01863

**Design Comment:** no modifications; numbering of the amino acid sequence in accordance with the UniProt numbering scheme (uniprot.org)

**Alternative Description:** Fc region of mouse immunoglobulin G2A; IgG2A Fc Protein; IgG2A-Fc protein; mouse Immunoglobulin gamma-2A heavy chain constant region; mouse IgG2A-Fc control protein

**Application Code(s):** Recommended as: a control for Mouse chimeric IgG2A Fc-Fusion protein activity assay; an immunogen to generate antibodies against the Mouse IgG2A-Fc domain or other Mouse IgG2A-Fc domain applications. Polyvalent IgG2a-Fc Region is suggested to represent a potential anti-inflammatory drug for treatment of autoimmune diseases.

### Product Form

**Purification:** Protein A affinity purified

**Supplied in:** PBS with preservative (0.02% Proclin 300)

**Endotoxin:** <1.0 EU/mg as determined by the LAL method.

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage Recommendation:** Store at 4°C for up to 3 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

**SDS PAGE Purity:** >98%, as determined by SDS-PAGE and visualised by Coomassie Brilliant Blue

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

**Fc-Fusion Sequence (monomer)**

EPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMI<sup>S</sup>LSPIVTCVVVDVSEDDPDVQISW<sup>F</sup>VNNVEVHTAQTQTHRE  
DYNSTLRVVSALPIQH<sup>D</sup>WMSGKEFKCKVNNKDLPAPIERTISKPKGSVRAPQVYVLPPEEEMTKKQVTLTCMV<sup>T</sup>DF  
MPEDIYVEWTNNGKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSYSCSVVHEGLHNHHTTKSFSRTPGK

**Calculated Molecular Weight (dimer):** 52.8 kDa (apparent Molecular Weight may differ due to glycosylation).

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