



Product Datasheet

Sales Enquires: sales@absoluteantibody.com
Support Queries: support@absoluteantibody.com
Tel: +44 (0) 1865 920810
Fax: +44 (0) 1865 920811
absoluteantibody.com

Recombinant Mouse IgG1-Fc domain

Cat No: Pr00101-1.5

Product Summary

Description: Recombinant mouse Immunoglobulin gamma-1 heavy chain constant region (IgG1-Fc), manufactured using [AbAb's Recombinant Platform](#)

Protein: Mouse IgG1-Fc domain

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct: Mouse IgG1-Fc domain (V221-K447)

Host: HEK293

UniProt Accession Number: P01868

Design Comment: no modifications; numbering of the amino acid sequence in accordance with the Kabat–Chothia numbering scheme (PMID 9367782)

Alternative Description: Fc region of mouse immunoglobulin G1; IgG1 Fc Protein; IgG1-Fc protein; mouse Immunoglobulin gamma-1 heavy chain constant region; mouse IgG1-Fc control protein

Application Code(s): Recommended as: a control for Mouse chimeric IgG1 Fc-Fusion protein activity assay; an immunogen to generate antibodies against the Mouse IgG1-Fc domain or other Mouse IgG1-Fc domain applications.

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

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Fc-Fusion Sequence (monomer)

VPRDQGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTF
RSVSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVE
WQWNGQPAENYKNTQPIMDTDGSYFVYSKLVNQQSNWEAGNTFTCSVLHEGLHNHHTEKSLSHSPGK

Calculated Molecular Weight (dimer): 51.3 kDa (apparent Molecular Weight may differ due to glycosylation).

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