
Product Data Sheet

Product Name: IgG1 Fc Human
 Cat. No.: GP26297
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 Cells
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	IGHG1, IGHG-1, IGG-1FC, IGG1FC, IGG1-FC		
Amino Acid Sequence	PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTTP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG K		
Formulation	The IgG1 Fc solution (1mg/ml) contains 1x PBS and 10% glycerol.		

Introduction

IgG1 Fc plays a role in antigen binding activity and immunoglobulin receptor binding activity. IgG1 Fc takes part in the activation of immune & defensive response. IgG1 Fc takes part in the upstream of immunoglobulin mediated immune response, positive regulation of hypersensitivity & regulation of phagocytosis.

Biological Activity

Determined functional ELISA with Human Recombinant CD16a (cat# pro-2360). The ED50 range \leq 1.5 ug/ml

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IgG1 Fc Human Recombinant produced in HEK is a single polypeptide chain containing

Caution: Product has not been fully validated for medical applications. For research use only.

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231 amino acids (100-330) and having a molecular mass of 25.9kDa. IgG1 Fc is purified by proprietary chromatographic techniques.

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