
Product Data Sheet

Product Name: FCGR3B Human

Cat. No.: GP23483

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fc Fragment Of IgG Receptor IIIb; Fc Fragment Of IgG; Low Affinity IIIb; Receptor (CD16b); Fc Gamma Receptor IIIb; IgG Fc Receptor III-1; Fc-Gamma RIII-Beta; Fc-Gamma RIIIb; FCRIIIb; FCR-10; FCRIII; FCGR3; CD16b; FCG3; Fc Fragment Of IgG; Low Affinity IIIb; Receptor For (CD16); Low Affinity Immunoglobulin Gamma Fc Region Receptor III-B; Fc-Gamma Receptor IIIb (CD 16); Fc-Gamma RIII; CD16b Antigen; IGFR3; CD16.		
Amino Acid Sequence	EDLPKAVVFL EPQWYSVLEK DSVTLKCQGA YSPEDNSTQW FHNENLISSQ ASSYFIDAAT VNDSGEYRCQ TNLSTLSDPV QLEVHIGWLL LQAPRWVFKEDPIHLRCHS WKNTALHKVT YLQNGKDRKY FHHNSDFHIP KATLKDSGSY FCRGLVGSKN VSSETVNITI TQGLAVSTISVEHHHHHH.		
Formulation	FCGR3B protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

FCGR3B, also known as CD16b belongs to the Ig super family. FCGR3B encodes a glycosylphosphatidylinositol (GPI)-anchored protein which is expressed constitutively by neutrophils. FCGR3B binds to complex or aggregated IgG and monomeric IgG. Different from III-A, FCGR3B cannot arbitrate antibody-dependent cytotoxicity and phagocytosis. FCGR3B operate to capture immune complexes in peripheral blood circulation that does not activate neutrophils.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FCGR3B produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 188 amino acids (21-200a.a.) and having a molecular mass of 21.4kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). FCGR3B is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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