

Datasheet for ABIN7013409

FCGR3B Protein (AA 21-206) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	FCGR3B
Protein Characteristics:	AA 21-206
Origin:	Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR3B protein is labelled with His tag.

Product Details

Characteristics:	Rhesus macaque Fc gamma RIII / CD16 Protein, His Tag (SPR & BLI verified)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FCGR3B
Alternative Name:	Fc gamma RIII / CD16 (FCGR3B Products)
Background:	CD16 is a low affinity Fc receptor, and has been identified as Fc receptors FcγRIIIa (CD16a) and FcγRIIIb (CD16b). These receptors bind to the Fc portion of IgG antibodies. CD16 encoded by two different highly homologous genes in a cell type-specific manner. CD16 is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16a antigen is also known as Low affinity immunoglobulin gamma Fc region

Target Details

receptor III-A, Fc-gamma RIII-alpha. CD16b is a low-affinity, GPI-linked receptor expressed by neutrophils and eosinophils, whereas CD16a is an intermediate affinity polypeptide-anchored transmembrane glycoprotein expressed natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts. CD16a is involved in phagocytosis, secretion of enzymes and inflammatory mediators, antibody-dependent cytotoxicity and clearance of immune complexes. Aberrant expression or mutations of CD16a is implicated in susceptibility to recurrent viral infections, systemic lupus erythematosus, and alloimmune neonatal neutropenia.

Molecular Weight:	23.1 kDa
NCBI Accession:	XP_014968661

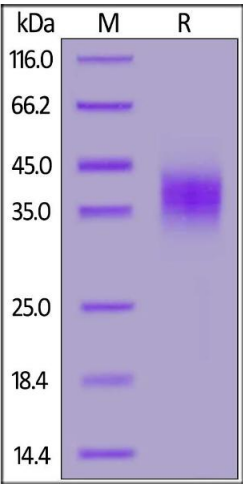
Application Details

Application Notes:	SPR & BLI verified
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Rhesus macaque CD16, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .