

Datasheet for ABIN6253653

**FCGR3B Protein (AA 17-208) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FCGR3B
Protein Characteristics:	AA 17-208
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR3B protein is labelled with His tag.

## Product Details

Sequence:	AA 17-208
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 23.9 kDa. The protein migrates as 37-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % 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 ( <a href="#">FCGR3B Products</a> )

## Target Details

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 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.
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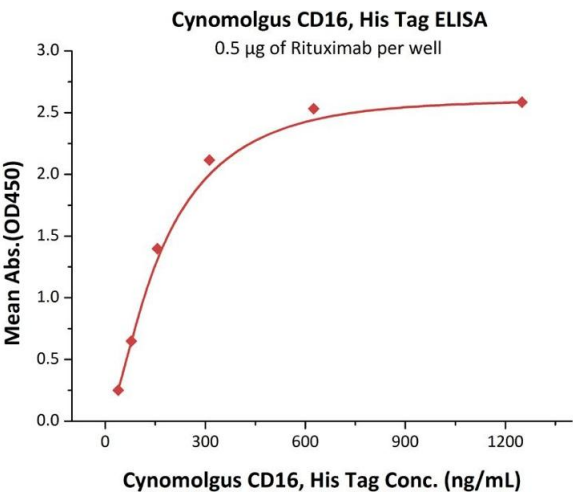
Molecular Weight:	23.8 kDa
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## Application Details

Restrictions:	For Research Use only
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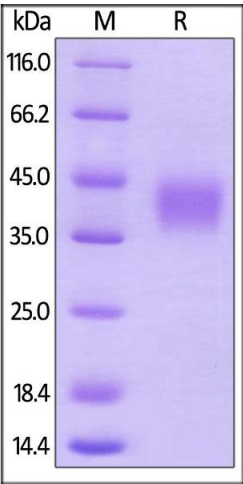
## Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



**ELISA**

**Image 1.** Immobilized Rituximab at 5 µg/mL (100 µL/well) can bind Cynomolgus CD16, His Tag (BLI verified) (ABIN5674616,ABIN6253653,ABIN6951017) with a linear range of 39-313 ng/mL (QC tested).



**SDS-PAGE**

**Image 2.** Cynomolgus CD16, His Tag (BLI verified) on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .