Datasheet for ABIN7199541

FCGR1A Protein (His tag)

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Overview

Quantity:	100 µg
Target:	FCGR1A
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR1A protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus Fc gamma RI / CD64 Protein, His Tag (MALS & SPR verified)
Sequence:	Val 11 - Pro 288
Characteristics:	Cynomolgus CD64, His Tag (FCA-C52H6) is expressed from human 293 cells (HEK293). It contains AA Val 11 - Pro 288 (Accession # NP_001270969.1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	FCGR1A
Alternative Name:	Fc gamma RI / CD64 (FCGR1A Products)
Background:	Synonyms: FCGR1A,FCG1,FCGR1,IGFR1,CD64,CD64A,FCRI,

Target Details

	Description: Receptors that recognize the Fc portion of IgG are divided into three groups designated Fc gamma RI, RII, and RIII, also known respectively as CD64, CD32, and CD16. Fc gamma RI binds IgG with high affinity and functions during early immune responses. Fc gamma RII and RIII are low affinity receptors that recognize IgG as aggregates surrounding multivalent antigens during late immune responses. High affinity immunoglobulin gamma Fc receptor I is also known as FCGR1A, FCG1, FCGR1, CD64 and IGFR1, is a type of integral membrane glycoprotein that binds monomeric IgG-type antibodies with high affinity, which belongs to the immunoglobulin superfamily or FCGR1 family. FCGR1A / CD64 contains 3 Ig-like C2-type (immunoglobulin-like) domains. CD64 is constitutively found on only macrophages and monocytes, but treatment of polymorphonuclear leukocytes with cytokines like IFNγ and G-CSF can induce CD64 expression on these cells.
Molecular Weight:	33.2 kDa
NCBI Accession:	NP_001270969
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 33.2 kDa. The protein migrates as 40-50 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

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