Datasheet for ABIN7488774

FCGR1A Protein (His tag)

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Overview

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

Product Details

Purpose:	Canine Fc gamma RI / CD64 Protein, His Tag (MALS & SPR verified)
Sequence:	Gln 16 - Pro 288
Characteristics:	Canine CD64, His Tag is expressed from human 293 cells (HEK293). It contains AA Gln 16 - Pro 288 (Accession # XP_025308990.1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified, SPR verified

Target Details

Target:	FCGR1A
Alternative Name:	CD64 (FCGR1A Products)
Background:	Receptors that recognize the Fc portion of IgG are divided into three groups designated Fc

Target Details

	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:	32.4 kDa
NCBI Accession:	XP_025308990
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Comment:	This protein carries a polyhistidine tag at the C-terminus. (10xHis) The protein has a calculated MW of 32.4 kDa. The protein migrates as 36-46 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Restrictions:	For Research Use only

Handling

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