

Datasheet for ABIN5608231

CD47 Protein (CD47) (partial) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD47
Protein Characteristics:	partial
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD47 protein is labelled with Fc Tag.
Application:	Western Blotting (WB), ELISA

Product Details

Sequence:	Gln 19 - Pro 139
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 0.1 EU per µg by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human SIRP alpha (HPLC-verified), His Tag at 2 µg/mL (100 µL/well) can bind Human CD47, mouse IgG2a Fc Tag, low endotoxin with a linear range of 0.5-8 ng/mL (QC tested).

Target Details

Target:	CD47
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Target Details

Alternative Name:	CD47 (CD47 Products)
Background:	Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.
Molecular Weight:	40.8 kDa
Gene ID:	961
NCBI Accession:	NP_942088
UniProt:	Q08722

Application Details

Application Notes:	This recombinant protein can be used for E, WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.