

Datasheet for ABIN7319534
CD47 Protein (CD47) (His tag)



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Overview

Quantity:	50 µg
Target:	CD47
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD47 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD47/IAP Protein (His Tag)(Active)
Sequence:	Gln19-Pro139
Characteristics:	Recombinant Human CD47 is produced by our Mammalian expression system and the target gene encoding Gln19-Pro139 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human SIRPA-Fc(Cat: PKSH033061) at 10µg/ml(100 µl/well) can bind Human CD47-His. The ED50 of Human CD47-His is 4.18 ng/ml .

Target Details

Target:	CD47
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Target Details

Alternative Name: CD47/IAP ([CD47 Products](#))

Background: Background: CD47(Integrin-Associated Protein,IAP) is a 40 - 60 kDa variably glycosylated atypical member of the immunoglobulin superfamily. The ubiquitously expressed CD47 binds to SIRP family members on macrophages, neutrophils, and T cells. CD47 is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The protein is also a receptor for the C-terminal cell-binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This protein has broad tissue distribution, and is reduced in expression on Rh erythrocytes.

Synonym: Leukocyte Surface Antigen CD47, Antigenic Surface Determinant Protein OA3, Integrin-Associated Protein, IAP, Protein MER6, CD47, MER6

Molecular Weight: 14.76 kDa

UniProt: [Q08722](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 10 mM Tris-Citrate, 150 mM NaCl, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.