

Datasheet for ABIN7505589

CD47 Protein (CD47) (AA 19-139) (mFc Tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD47
Protein Characteristics:	AA 19-139
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD47 protein is labelled with mFc Tag.

Product Details

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 mFc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	CD47
Alternative Name:	CD47 (CD47 Products)
Background:	Abbreviation: CD47,IAP Target Synonym: Leukocyte surface antigen CD47,Antigenic surface determinant protein OA3,Integrin-associated protein,IAP,Protein MER6,CD47,MER6

Target Details

Background: CD47(Integrin-AssociatedProtein,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.

Molecular Weight: Calculated MW: 40.3 kDa
Observed MW: 48-65 kDa

UniProt: [Q08722](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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.

Expiry Date: 12 months