

Datasheet for ABIN7321030

**CD47 Protein (CD47)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	CD47
Origin:	Rhesus Monkey
Source:	Human Cells
Protein Type:	Recombinant

## Product Details

Purpose:	Recombinant Rhesus Macaque CD47/IAP/OA3 (N-6His-Flag)
Sequence:	Gln19-Glu141
Characteristics:	Recombinant Rhesus macaque Leukocyte Surface Antigen CD47 is produced by our Mammalian expression system and the target gene encoding Gln19-Glu141 is expressed with a 6His, Flag tag at the N-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CD47
Alternative Name:	CD47/IAP/OA3 ( <a href="#">CD47 Products</a> )
Background:	Background: CD47, also known as Integrin-Associated Protein (IAP) and OA3, is a glycosylated atypical member of the immunoglobulin superfamily. Mouse CD47 is an integral membrane protein that consists of a extracellular domain (ECD) with a single Ig-like domain, five

Target Details

membrane-spanning regions with short intervening loops, and C-terminal cytoplasmic tail.

CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It plays an important role in memory formation and synaptic plasticity in the hippocampus. As a receptor for SIRPA, its binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.

Interaction with SIRPG mediates cell-cell adhesion, it enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. It may play a role in membrane transport and/or integrin-dependent signal transduction. It also prevents premature elimination of red blood cells.

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

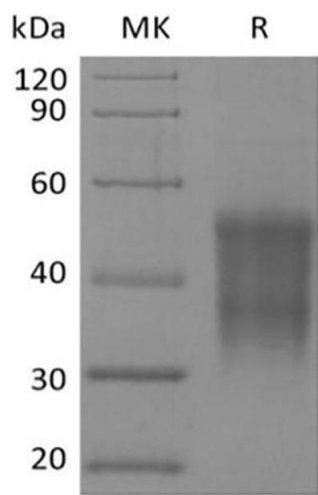
Molecular Weight:	15.7 kDa
UniProt:	<a href="#">F7A802</a>

Application Details

Comment:	33-55 kDa
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 PBS, pH 7.4.
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.



Western Blotting

Image 1.