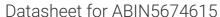
# antibodies - online.com







# **CD47 Protein (CD47) (AA 19-141) (His tag)**

**Images** 



## Overview

Quantity:	50 μg
Target:	CD47
Protein Characteristics:	AA 19-141
Origin:	Rhesus Monkey, Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD47 protein is labelled with His tag.

# **Product Details**

Sequence:	AA 19-141
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 15.8 kDa. The protein migrates as 30-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per μg by the LAL method.
Target Details	

# l arget Details

Target:	CD47
Alternative Name:	CD47 (CD47 Products)

#### **Target Details**

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:

15.8 kDa

NCBI Accession:

NP\_001253446

#### **Application Details**

Restrictions:

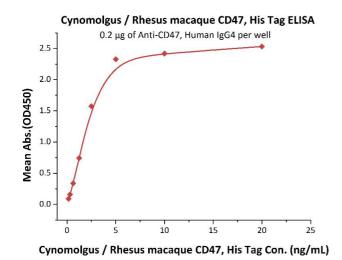
For Research Use only

### Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.

#### **Images**

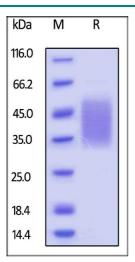
Storage:



-20 °C

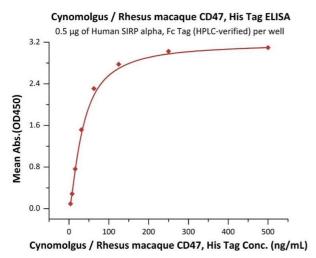
#### **ELISA**

**Image 1.** Immobilized A, Human IgG4 at  $2 \mu g/mL$  (100  $\mu$  L/well) can bind Cynomolgus / Rhesus macaque CD47, His Tag (ABIN5674615,ABIN6809986) with a linear range of 0.2-5 ng/mL (Routinely tested).



#### **SDS-PAGE**

**Image 2.** Cynomolgus / Rhesus macaque CD47, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than  $95\,\%$ .



#### **ELISA**

**Image 3.** Immobilized Human SIRP alpha, Fc Tag (Hied) (ABIN2181766,ABIN2181765) at  $5 \mu g/mL$  (100  $\mu L/well$ ) can bind Cynomolgus / Rhesus macaque CD47, His Tag (ABIN5674615,ABIN6809986) with a linear range of 4-63 ng/mL (QC tested).