Datasheet for ABIN6809863

CD47 Protein (CD47) (AA 19-140) (His tag)

2 Images

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Overview

Quantity:	100 µg
Target:	CD47
Protein Characteristics:	AA 19-140
Origin:	Dog
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 19-140
Purity:	>90 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD47
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

Target Details

	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

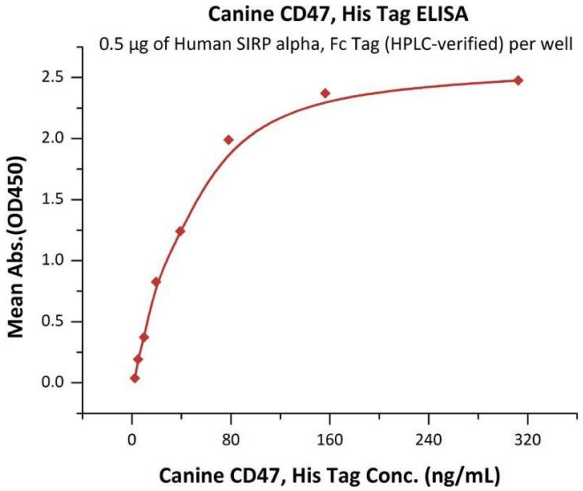
Application Details

Restrictions:	For Research Use only

Handling

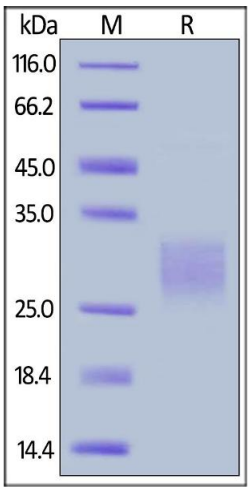
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Human SIRP alpha, Fc Tag (Hied) (ABIN2181766,ABIN2181765) at 5 μg/mL (100 μL/well) can bind Canine CD47, His Tag (ABIN6731247,ABIN6809863) with a linear range of 5-78 ng/mL (QC tested).



SDS-PAGE

Image 2. Canine CD47, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .