



[Go to Product page](#)

Datasheet for ABIN6253632

SIRPA Protein (AA 32-373) (Fc Tag)

3 Images

Overview

Quantity:	100 µg
Target:	SIRPA
Protein Characteristics:	AA 32-373
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SIRPA protein is labelled with Fc Tag.

Product Details

Sequence:	AA 32-373
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

Target Details

Target:	SIRPA
Alternative Name:	SIRP alpha (SIRPA Products)
Background:	Tyrosine-protein phosphatase non-receptor type substrate 1 (SHPS1) is also known as CD172 antigen-like family member A (CD172a), Macrophage fusion receptor, MyD-1 antigen, Signal-regulatory protein alpha (SIRPA or SIRP alpha) or p84, is a member of the SIRP family, and also belongs to the immunoglobulin superfamily. SIRP alpha is Ubiquitous and highly expressed in

Target Details

brain. SIRPA / CD172a is immunoglobulin-like cell surface receptor for CD47 and acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. SIRPA / SHPS-1 supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment and may play a key role in intracellular signaling during synaptogenesis and in synaptic function. By similarity, SIRPA / MyD1 involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin and mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.

Molecular Weight: 65.0 kDa

Application Details

Restrictions: For Research Use only

Handling

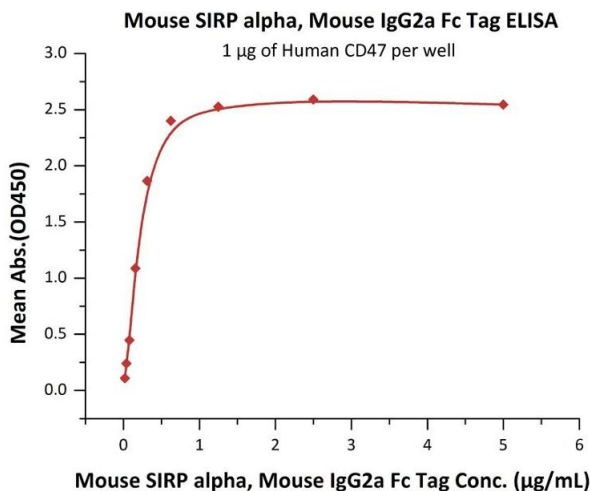
Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

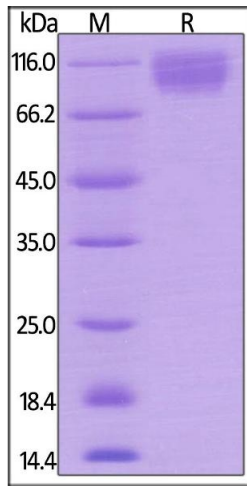
Storage: -20 °C

Images



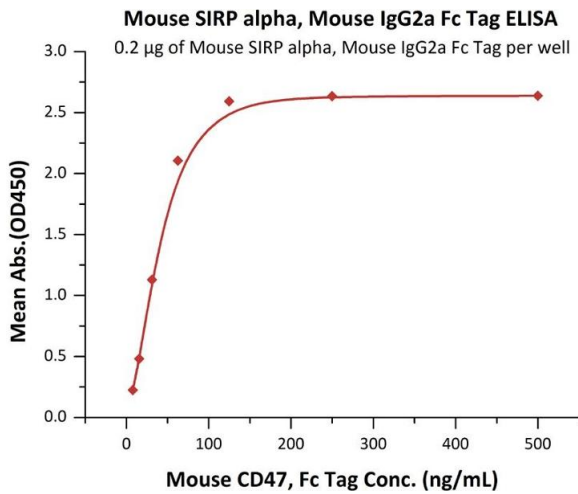
ELISA

Image 1. Immobilized Human CD47 at 10 µg/mL (100 µL/well) can bind Mouse SIRP alpha, Mouse IgG2a Fc Tag (ABIN5955018, ABIN6253632) with a linear range of 0.02-0.313 µg/mL (Routinely tested).



SDS-PAGE

Image 2. Mouse SIRP alpha, Mouse IgG2a Fc Tag, low endotoxin 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 Mouse SIRP alpha, Mouse IgG2a Fc Tag (ABIN5955018,ABIN6253632) at 2 µg/mL (100 µL/well) can bind Mouse CD47, Fc Tag (ABIN2870726,ABIN2870727) with a linear range of 8-63 ng/mL (QC tested).