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## Datasheet for ABIN6253574 SIRPA Protein (AA 31-370) (His tag)

3 Images

1 Publication



### Overview

Quantity:	100 µg
Target:	SIRPA
Protein Characteristics:	AA 31-370
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SIRPA protein is labelled with His tag.

## Product Details

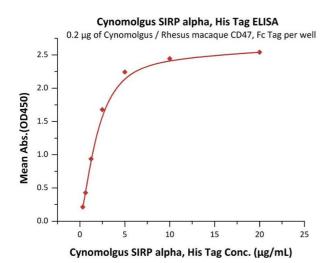
Sequence:	AA 31-370
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

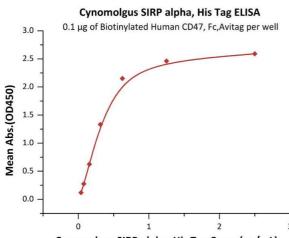
## Target Details

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

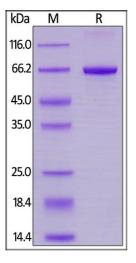
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6253574 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

docking protein and induces translocation of PTPN6, PTPN11 and other binding part the cytosol to the plasma membrane. SIRPA / SHPS-1 supports adhesion of cerebelle neurite outgrowth and glial cell attachment and may play a key role in intracellular sig during synaptogenesis and in synaptic function By similarity. SIRPA / MyD1 involved i negative regulation of receptor tyrosine kinase-coupled cellular responses induced by adhesion, growth factors or insulin and mediates negative regulation of phagocytosis activation and dendritic cell activation. CD47 binding prevents maturation of immatur cells and inhibits cytokine production by mature dendritic cells.Molecular Weight:39.0 kDaNCBI Accession:NP_001271679Application DetailsFor Research Use onlyHandlingFormat:LyophilizedBuffer:PBS, pH 7.4Handling Advice:Please avoid repeated freeze-thaw cycles.Storage:-20 °CPublicationsProduct cited in:Meyer, Ueland: "Targeted quantification of C-reactive protein and cystatin c and its va		
the cytosol to the plasma membrane. SIRPA / SHPS-1 supports adhesion of cerebella neurite outgrowth and glial cell attachment and may play a key role in intracellular sig during synaptogenesis and in synaptic function By similarity. SIRPA / MyD1 involved i negative regulation of receptor tyrosine kinase-coupled cellular responses induced by adhesion, growth factors or insulin and mediates negative regulation of phagocytosis activation and dendritic cell activation. CD47 binding prevents maturation of immatur cells and inhibits cytokine production by mature dendritic cells.Molecular Weight:39.0 kDaNCBI Accession:NP_001271679Application DetailsFor Research Use onlyHandlingLoophilizedFormat:LyophilizedBuffer:PBS, pH 7.4Handling Advice:Please avoid repeated freeze-thaw cycles.Storage:-20 °CPublications-20 °CPublicationsMeyer, Ueland: "Targeted quantification of C-reactive protein and cystatin c and its va		brain. SIRPA / CD172a is immunoglobulin-like cell surface receptor for CD47 and acts as
neurite outgrowth and glial cell attachment and may play a key role in intracellular sig during synaptogenesis and in synaptic function By similarity. SIRPA / MyD1 involved i negative regulation of receptor tyrosine kinase-coupled cellular responses induced by adhesion, growth factors or insulin and mediates negative regulation of phagocytosis activation and dendritic cell activation. CD47 binding prevents maturation of immatur cells and inhibits cytokine production by mature dendritic cells.Molecular Weight:39.0 kDaNCBI Accession:NP_001271679Application DetailsFor Research Use onlyHandlingLyophilizedBuffer:PBS, pH 7.4Handling Advice:Please avoid repeated freeze-thaw cycles.Storage:-20 °CPublicationsMeyer, Ueland: "Targeted quantification of C-reactive protein and cystatin c and its va		docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from
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negative regulation of receptor tyrosine kinase-coupled cellular responses induced by adhesion, growth factors or insulin and mediates negative regulation of phagocytosis activation and dendritic cell activation. CD47 binding prevents maturation of immatur cells and inhibits cytokine production by mature dendritic cells.Molecular Weight:39.0 kDaNCBI Accession:NP_001271679Application DetailsFor Research Use onlyHandlingImage: Post Pass Physical Phys		neurite outgrowth and glial cell attachment and may play a key role in intracellular signaling
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Molecular Weight:       39.0 kDa         NCBI Accession:       NP_001271679         Application Details       Image: Comparison of the second se		activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic
NCBI Accession:       NP_001271679         Application Details       For Research Use only         Restrictions:       For Research Use only         Handling       Lyophilized         Pormat:       Lyophilized         Buffer:       PBS, pH 7.4         Handling Advice:       Please avoid repeated freeze-thaw cycles.         Storage:       -20 °C         Publications       Meyer, Ueland: "Targeted quantification of C-reactive protein and cystatin c and its value		cells and inhibits cytokine production by mature dendritic cells.
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immuno-MALDI-MS." in: <b>Analytical chemistry</b> , Vol. 86, Issue 12, pp. 5807-14, (2014) (I	Product cited in:	Meyer, Ueland: "Targeted quantification of C-reactive protein and cystatin c and its variants by
		immuno-MALDI-MS." in: Analytical chemistry, Vol. 86, Issue 12, pp. 5807-14, (2014) (PubMed).





## Cynomolgus SIRP alpha, His Tag Conc. (µg/mL)



### **ELISA**

**Image 1.** Immobilized Cynomolgus / Rhesus macaque CD47, Fc Tag (ABIN4949053,ABIN4949054) at  $2 \mu g/mL$  (100  $\mu L/well$ ) can bind Cynomolgus SIRP alpha, His Tag (ABIN5955016,ABIN6253574) with a linear range of 0.313-2.5  $\mu g/mL$  (QC tested).

#### **ELISA**

**Image 2.** Immobilized Biotinylated Human CD47, Fc,Avitag (ABIN2870532,ABIN2870533) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.2 µg/well) plate, can bind Cynomolgus SIRP alpha, His Tag (ABIN5955016,ABIN6253574) with a linear range of 0.039-0.625 µg/mL (Routinely tested).

#### SDS-PAGE

**Image 3.** Cynomolgus SIRP alpha, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 %.

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