Recombinant Mouse SIRPA Protein, His-tagged

SIRPA-937M Mouse
Lot. No. (See product label)

Specification

Product Overview	Recombinant extracellular domain of mouse SIRPA (BAA20376.1) (Met 1-Asn 373) was expressed, with a C-terminal polyhistidine tag.
Source	HEK293
Species	Mouse
Tag	His
Predicted N Terminal	Thr 32
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA.Immobilized mouse SIRPA-His at 10 μg/ml (100 μl/well) can bind human CD47-Fc. The EC50 of human CD47-Fc is 0.05-0.13 μg/ml.
Molecular Mass	The secreted recombinant mouse SIRPA comprises 353 amino acids and has a calculated molecular mass of 39.4 kDa. As a result of glycosylation, the apparent molecular mass of rmSIRPA is approximately 50-70 kDa in SDS-PAGE under reducing conditions.
Endotoxin	<1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4ºC before opening to recover the entire contents.

Gene Information

Gene Name	Sirpa signal-regulatory protein alpha [Mus musculus]
Official Symbol	SIRPA
Synonyms	SIRPA; signal-regulatory protein alpha; tyrosine-protein phosphatase non-receptor type substrate 1; mSIRP-alpha1; sirp-alpha-1; myD-1 antigen; SHP substrate 1; inhibitory receptor SHPS-1; signal-regulatory protein alpha-1; CD172 antigen-like family member
Gene ID	19261
mRNA Refseq	NM_001177646

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Protein Refseq	NP_001171117
MIM	
UniProt ID	
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-1 Signaling Pathway, organism-specific biosystem; Osteoclast differentiation, or
Function	SH3 domain binding; protein binding; protein phosphorylated amino acid binding;

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