Active Recombinant Mouse SIRPA protein, mFc-tagged

Cat. No. SIRPA-348M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SIRPA protein(Lys 32 - Asn 373), fused with mFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Lys 32 - Asn 373
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Mouse SIRP alpha Protein, Mouse IgG2a Fc Tag at 2 μg/mL (100 μL/well) can bind Mouse CD47, Fc Tag with a linear range of 8-63 ng/mL. Immobilized Human CD47 at 10 μg/mL (100 μL/well) can bind Mouse SIRP alpha Protein, Mouse IgG2a Fc Tag with a linear range of 0.02-0.313 μg/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminusThe protein has a calculated MW of 65.0 kDa. The protein migrates as 90-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C 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 A; brain immunological-like with tyrosine-based motifs; protein tyrosine phosphatase, non-receptor type substrate 1; brain Ig-like molecule with tyrosine-based activation motifs; Bit; P84; SIRP; SHP-1; CD172a; Ptpns1; SHPS-1; AI835480;
Gene ID	19261
mRNA Refseq	NM_001177646
Protein Refseq	NP_001171117

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