Active Recombinant Mouse SIRPA protein, hFc-tagged

Cat. No. SIRPA-2177M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SIRPA protein(BAA20376.1)(Met1-Asn373), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Asn373
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA.Immobilized rat CD47-His at 10 μg/ml (100 μl/well) can bind mouse SIRPA-Fc, The EC50 of mouse SIRPA-Fc is 0.6-1.4 μg/ml.
Molecular Mass	The secreted recombinant mouse SIRPA/Fc is a disulfide-linked homodimer. The reduced monomer comprises 583 amino acids and has a calculated molecular mass of 64.9 kDa. As a result of glycosylation, the apparent molecular mass of rmSIRPA/Fc monomer is approximately 1001-20 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. 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 0.2 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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