Active Recombinant Human SIRPA protein, lFc-tagged

Cat. No. SIRPA-0684H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPA protein(Glu31-Arg369), fused with lFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-369 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human SIRP alphaV2, Llama IgG2b Fc Tag at 5 μg/mL (100 μL/well) can bind Human CD47, His Tag with a linear range of 0.02-0.625 μg/mL. Immobilized Human CD47, His Tag at 5 μg/mL (100 μL/well) can bind Human SIRP alphaV2, Llama IgG2b Fc Tag with a linear range of 0.6-20 ng/mL. Please note that there may be a cross-reaction between anti-human IgG Fc antibodies and llama IgG Fc tag, also between anti-llama IgG Fc antibodies and human IgG Fc tag.
Molecular Mass	This protein carries a llama IgG2b Fc tag at the C-terminus.The protein has a calculated MW of 65.0 kDa. The protein migrates as 70-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu31-Arg369

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Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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 [Homo sapiens]
Official Symbol	SIRPA
Synonyms	SIRPA; signal-regulatory protein alpha; protein tyrosine phosphatase, non receptor type substrate 1 , PTPNS1; tyrosine-protein phosphatase non-receptor type substrate 1; BIT; CD172a; MFR; MYD 1; P84; SHPS 1; SHPS1; SIRP; SIRP ALPHA 1; SIRPalpha; SIRPalpha2; myd-1 antigen; inhibitory receptor SHPS-1; macrophage fusion receptor; CD172 antigen-like family member A; tyrosine phosphatase SHP substrate 1; brain-immunoglobulin-like molecule with tyrosine-based activation motifs; MYD-1; CD172A; PTPNS1;
Gene ID	140885
mRNA Refseq	NM_001040022
Protein Refseq	NP_001035111
MIM	602461

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UniProt ID	P78324

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