

Recombinant Human SIRPA protein, His-Avi-tagged

Cat. No. SIRPA-2434H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPA protein(P78324 variant 4)(Glu31-Arg370(E33G, L44S, T50S, T52I, R54H)), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu31-Arg370(E33G, L44S, T50S, T52I, R54H)
Tag	C-His-Avi
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human SIRP alpha V4, His Tag at 1ug/ml (100ul/Well). Dose response curve for Human CD47, hFc Tag with the EC50 of 44.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 39.8 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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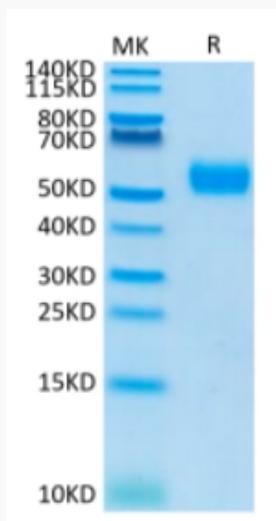
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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
UniProt ID	P78324

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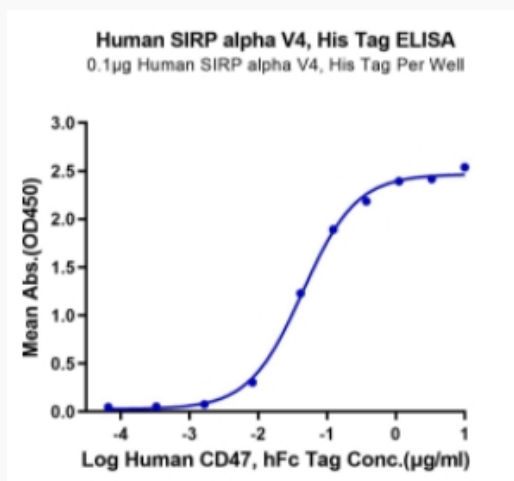
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Tris-Bis PAGE



ELISA Data



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