

Sirpa (Tyrosine-protein phosphatase non-receptor type substrate 1) ELISA Kit | Sirpa elisa kit

Rat Sirpa (Tyrosine-protein phosphatase non-receptor type substrate 1) ELISA Kit

CATALOG # AAA250343	REACTIVITY Rat
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PRODUCT SYNONYMS

Sirpa (Tyrosine-protein phosphatase non-receptor type substrate 1); Rat Sirpa (Tyrosine-protein phosphatase non-receptor type substrate 1) ELISA Kit; Sirpa; Tyrosine-protein phosphatase non-receptor type substrate 1; SHP substrate 1; SHPS-1; Brain Ig-like molecule with tyrosine-based activation motifs; CD172 antigen-like family member A; Inhibitory receptor SHPS-1; Macrophage fusion receptor; Macrophage membrane protein MFP150; Signal-regulatory protein alpha-1; Sirp-alpha-1; CD172a; Bit; Mfr; Ptpns1; Shps1; Sirp; Sirpa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Sirpa. No significant cross-reactivity or interference between Sirpa and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for Sirpa elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543529
NCBI GeneID	25528
NCBI Accession #	NP_037148.2
NCBI GenBank Nucleotide #	NM_013016.2
UniProt Accession #	P97710 ; O08951 ; O70426 ; Q9QWI5

Molecular Weight	55,691 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type substrate 1
NCBI Official Synonym Full Names	signal-regulatory protein alpha
NCBI Official Symbol	Sirpa
NCBI Official Synonym Symbols	Bit; Ptpns1; SHPS-1
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type substrate 1
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type substrate 1
UniProt Gene Name	Sirpa
UniProt Synonym Gene Names	Bit; Mfr; Ptpns1; Shps1; Sirp; SHP substrate 1; SHPS-1; Bit; Sirp-alpha-1
UniProt Entry Name	SHPS1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/sirpa-tyrosine-protein-phosphatase-non-receptor-type-substrate-1/250343>