

Human Tyrosine-protein phosphatase non-receptor type substrate 1 (SIRPA) ELISA Kit



Catalog No: #EK7332

Orders: order@signalwayantibody.com

Package Size: #EK7332-1 48T #EK7332-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Tyrosine-protein phosphatase non-receptor type substrate 1 (SIRPA) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BIT; CD172A; MFR; MYD-1; P84; PTPNS1; SHPS-1; SHPS1; SIRP; SIRP-ALPHA-1; SIRPalpha; SIRPalpha2; SHP substrate-1 brain-immunoglobulin-like molecule with tyrosine-based activation motifs macrophage fu
Accession No.	P78324
Uniprot	P78324
GeneID	140885;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.056 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SIRPA in samples. An antibody specific for SIRPA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySIRPA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIRPA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SIRPA bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Signal-regulatory protein alpha is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family.

Note: This product is for in vitro research use only