

Human Signal-Regulatory Protein beta-1 (SIRPB1) ELISA Kit | SIRPB1 elisa kit

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CATALOG #
AAA330866

REACTIVITY
Human

PRODUCT SYNONYMS

Signal-Regulatory Protein beta-1 (SIRPB1); Human Signal-Regulatory Protein beta-1 (SIRPB1) ELISA Kit; SIRPB1; RP4-576H24.1; CD172b; DKFZp686A05192; FLJ26614; SIRP-BETA-1; SIRPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Signal-regulatory protein beta-1 (SIRPB1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SIRPB1. No significant cross-reactivity or interference between Human SIRPB1 and analogues was observed.
Sequence Length	181
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Signal-regulatory protein beta-1 (SIRPB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SIRPB1 elisa kit	Description: This Human Signal-regulatory protein beta-1 (SIRPB1) ELISA Kit employs a two-site sandwich ELISA to quantitate SIRPB1 in samples. An antibody specific for SIRPB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SIRPB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIRPB1 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 SIRPB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Signal-regulatory protein beta 1 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 was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Alternatively spliced transcript variants have been found for this gene. The signal regulatory protein-beta1 (SIRPbeta1) is a DAP12-associated transmembrane receptor expressed in a subset of hematopoietic cells. Recently, it was shown that peritoneal macrophages express SIRPbeta1, which positively regulated phagocytosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	144953878
NCBI GeneID	10326
NCBI Accession #	NP_001077379.1
NCBI GenBank Nucleotide #	NP_001077379.1
UniProt Accession #	O00241; Q5TFQ8
NCBI Official Full Name	signal-regulatory protein beta-1 isoform 2
NCBI Official Synonym Full Names	signal regulatory protein beta 1
NCBI Official Symbol	SIRPB1
NCBI Official Synonym Symbols	CD172b; SIRP-BETA-1
NCBI Protein Information	signal-regulatory protein beta-1
UniProt Protein Name	Signal-regulatory protein beta-1
UniProt Gene Name	SIRPB1
UniProt Synonym Gene Names	SIRP-beta-1
UniProt Entry Name	SIRB1_HUMAN

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.