

# Human Signal-regulatory protein beta-2 (SIRPB2) ELISA Kit



Catalog No: #EK7330

Orders: order@signalwayantibody.com

Package Size: #EK7330-1 48T #EK7330-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Signal-regulatory protein beta-2 (SIRPB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP4-776F14.1; PTPN1L; PTPNS1L3; dJ776F14.2; protein tyrosine phosphatase; non-receptor type 1-like protein tyrosine phosphatase; non-receptor type substrate 1-like 3
Accession No.	Q5JXA9
Uniprot	Q5JXA9
GeneID	284759;
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:0.067 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 SIRPB2 in samples. An antibody specific for SIRPB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySIRPB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIRPB2 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 SIRPB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Signal-regulatory protein gamma is a protein encoded by this gene 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. Alternatively spliced transcript variants encoding different isoforms have been described.

The 354-amino acid protein shares approximately 75% sequence identity with SIRPB1. It possesses a putative signal sequence, a long extracellular domain, a transmembrane region, a short intracellular domain, and no catalytic domain. RT-PCR analysis detected expression of SIRPG at varying levels in all tissues tested.

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Note: This product is for in vitro research use only