

# Human Stress-induced-phosphoprotein 1 (STIP1) ELISA Kit



Catalog No: #EK6687

Orders: order@signalwayantibody.com

Package Size: #EK6687-1 48T #EK6687-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Stress-induced-phosphoprotein 1 (STIP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HOP; IEF-SSP-3521; P60; ST11; STI1L; Hsp70/Hsp90-organizing protein stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)
Accession No.	P31948
Uniprot	P31948
GeneID	10963;
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:1.56-100 ng/mL

Sensitivity:0.63 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 STIP1 in samples. An antibody specific for STIP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySTIP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STIP1 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 STIP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Hop is the Hsp70-Hsp90 organizing protein. It functions as a co-chaperone which reversibly links together the protein chaperones Hsp70 and Hsp90.The gene for human Hop is located on chromosome 11q13.1 and consists of 14 exons. HOP (the abbreviation stands for Hsp70/Hsp90 Organizing Protein) belongs to the large group of co-chaperones, which regulate and assist the major chaperones (mainly heat shock proteins). It is one of the best studied co-chaperones of the Hsp70/Hsp90-complex. It was first discovered in yeast and homologues were identified in human, mouse, rat, insects, plants, parasites, and virus. The family of these proteins is referred to as ST11 (stress inducible protein) and can be divided into yeast, plant, and animal ST11 (Hop).

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Note: This product is for in vitro research use only