

# Human Signal transducer and activator of transcription 2 (STAT2) ELISA Kit



Catalog No: #EK6672

Orders: order@signalwayantibody.com

Package Size: #EK6672-1 48T #EK6672-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Signal transducer and activator of transcription 2 (STAT2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ISGF-3; MGC59816; P113; STAT113; interferon alpha induced transcriptional activator signal transducer and activator of transcription 2
Accession No.	P52630
Uniprot	P52630
GeneID	6773;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.108 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 STAT2 in samples. An antibody specific for STAT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySTAT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STAT2 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 STAT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Signal transducer and activator of transcription 2 is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly.

Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus.

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Note: This product is for in vitro research use only