

Human STAT3 ELISA Kit | STAT3 elisa kit

Human STAT3 (Signal Transducer and Activator of Transcription 3) ELISA Kit

CATALOG #
AAA21722

REACTIVITY
Human

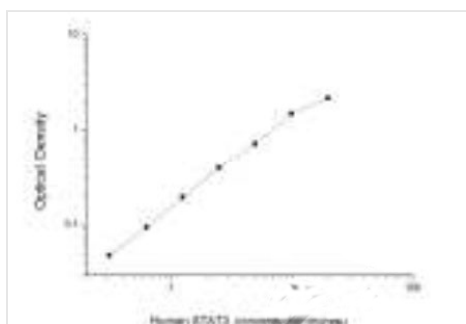
PRODUCT SYNONYMS

STAT3; Human STAT3 (Signal Transducer and Activator of Transcription 3) ELISA Kit; STAT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human STAT3 in samples. No significant cross-reactivity or interference between Human STAT3 and analogues was observed
Sequence Length	770
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.31-20 ng/mL
Sensitivity	0.19 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human STAT3 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human STAT3 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STAT3 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human STAT3. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human STAT3 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human STAT3, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Human STAT3. You can calculate the concentration of Human STAT3 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human STAT3 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21618340
NCBI GeneID	6774
NCBI Accession #	NP_644805.1
NCBI GenBank Nucleotide #	NM_139276.2
UniProt Accession #	P40763; O14916; Q9BW54; A8K7B8; K7ENL3
Molecular Weight	83,126 Da
NCBI Official Full Name	signal transducer and activator of transcription 3 isoform 1
NCBI Official Synonym Full Names	signal transducer and activator of transcription 3 (acute-phase response factor)
NCBI Official Symbol	STAT3
NCBI Official Synonym Symbols	APRF; HIES; ADMIO
NCBI Protein Information	signal transducer and activator of transcription 3; DNA-binding protein APRF; acute-phase response factor
UniProt Protein Name	Signal transducer and activator of transcription 3
UniProt Gene Name	STAT3
UniProt Synonym Gene Names	APRF
UniProt Entry Name	STAT3_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.