Human Tyrosine protein kinase JAK2 (JAK2) ELISA Kit | JAK2 elisa kit

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CATALOG #	REACTIVITY
AAA246505	**Human**

PRODUCT SYNONYMS

Tyrosine protein kinase JAK2 (JAK2); Human Tyrosine protein kinase JAK2 (JAK2) ELISA Kit; JAK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for JAK2 elisa kit	Intended Uses: This JAK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human JAK2. This ELISA kit for research use only! Principle of the Assay||JAK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-JAK2 antibody and an JAK2-HRP conjugate. The assay sample and buffer are incubated together with JAK2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the JAK2 concentration since JAK2 from samples and JAK2-HRP conjugate compete for the anti-JAK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by JAK2 from the sample, fewer sites are left to bind JAK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The JAK2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for JAK2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826776

NCBI GeneID	3717
NCBI Accession #	NP_004963.1
NCBI GenBank Nucleotide #	NM_004972.3
Molecular Weight	130,674 Da
NCBI Official Full Name	tyrosine-protein kinase JAK2
NCBI Official Synonym Full Names	Janus kinase 2
NCBI Official Symbol	JAK2
NCBI Official Synonym Symbols	JTK10; THCYT3
NCBI Protein Information	tyrosine-protein kinase JAK2; JAK-2; Janus kinase 2 (a protein tyrosine kinase)
UniProt Protein Name	Tyrosine-protein kinase JAK2
UniProt Gene Name	**JAK2**
UniProt Synonym Gene Names	JAK-2
UniProt Entry Name	JAK2_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.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/tyrosine-protein-kinase-jak2-jak2/246505