

Rat Janus Kinase ELISA Kit | Jo1 elisa kit

Rat Janus Kinase ELISA Kit

CATALOG #
AAA97107

REACTIVITY
Rat

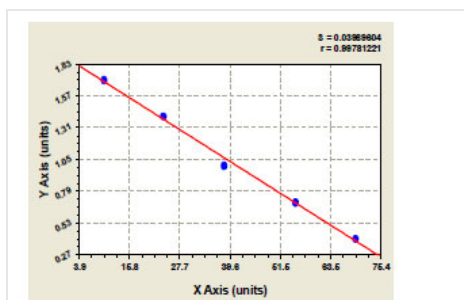
PRODUCT SYNONYMS

Janus Kinase; Rat Janus Kinase ELISA Kit; Jo1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Jo1 elisa kit

Intended Uses: This JAK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat JAK. This ELISA kit for research use only!

Principle of the Assay: JAK ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-JAK antibody and an JAK-HRP conjugate. The assay sample and buffer are incubated together with JAK-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 JAK concentration since JAK from samples and JAK-HRP conjugate compete for the anti-JAK antibody binding site. Since the number of sites is limited, as more sites are occupied by JAK from the sample, fewer sites are left to bind JAK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The JAK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

62836431

NCBI GeneID	3717
Molecular Weight	130,674 Da
NCBI Official Full Name	Janus kinase, partial
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/jo1-rat-elisa-kits/janus-kinase/97107>