

Mouse Jak2 (Tyrosine-protein kinase JAK2) ELISA Kit | Jak2 elisa kit

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CATALOG #
AAA251198

REACTIVITY
Mouse

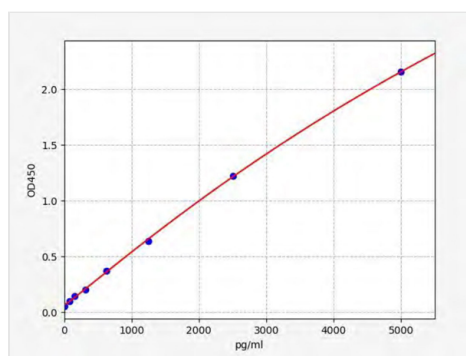
PRODUCT SYNONYMS

Jak2 (Tyrosine-protein kinase JAK2); Mouse Jak2 (Tyrosine-protein kinase JAK2) ELISA Kit; Jak2; Tyrosine-protein kinase JAK2; Janus kinase 2 (JAK-2); Jak2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Jak2, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	78-5000pg/ml
Sensitivity	46.9pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Jak2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Jak2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Jak2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Jak2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Jak2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114326478
NCBI GeneID	16452
NCBI Accession #	NP_001041642.1
NCBI GenBank Nucleotide #	NM_001048177.2
UniProt Accession #	Q62120; Q62124; Q7TQD0
Molecular Weight	130,235 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	Fd17
NCBI Protein Information	tyrosine-protein kinase JAK2
UniProt Protein Name	Tyrosine-protein kinase JAK2
UniProt Gene Name	Jak2
UniProt Synonym Gene Names	JAK-2

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/mouse-elisa-kits/jak2-tyrosine-protein-kinase-jak2/251198>