

Human Tyrosine Kinase 2 (Tyk2) ELISA Kit | Tyk2 elisa kit

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CATALOG #
AAA20529

REACTIVITY
Human

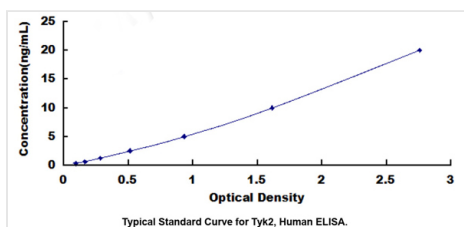
PRODUCT SYNONYMS

Tyrosine Kinase 2 (Tyk2); Human Tyrosine Kinase 2 (Tyk2) ELISA Kit; JTK1; Non-Receptor Tyrosine-Protein Kinase TYK2; Tyk2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tyk2. No significant cross-reactivity or interference between Tyk2 and analogues was observed.
Sequence Length	1,187
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.123ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Tyk2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Tyk2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tyk2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to Tyk2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Tyk2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Tyk2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Tyk2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Tyk2 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for Tyk2 elisa kit	Signal transduction; Enzyme & Kinase; Metabolic pathway; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	42716354
NCBI GeneID	7297
UniProt Accession #	P29597; Q6QB10; Q96CH0
Molecular Weight	133,650 Da
NCBI Official Full Name	tyrosine kinase 2
NCBI Official Synonym Full Names	tyrosine kinase 2
NCBI Official Symbol	TYK2
NCBI Official Synonym Symbols	JTK1; IMD35
NCBI Protein Information	non-receptor tyrosine-protein kinase TYK2
UniProt Protein Name	Non-receptor tyrosine-protein kinase TYK2
UniProt Gene Name	TYK2
UniProt Entry Name	TYK2_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.