

Human Tyrosine-protein kinase BTK ELISA Kit | BTK elisa kit

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CATALOG #
AAA98144

REACTIVITY
Human

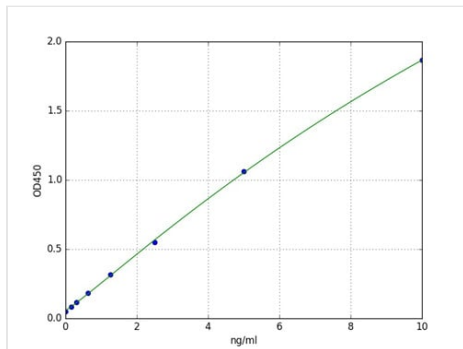
PRODUCT SYNONYMS

Tyrosine-protein kinase BTK; Human Tyrosine-protein kinase BTK ELISA Kit; BTK/Tyrosine-protein kinase BTK/Bru-ton tyrosine kinase/Agammaglobulinaemia tyrosine kinase/ATK/B-cell progenitor kinase/BPK/AT/XLA/IMD1/AGMX1/PSCTK1/dominant-negative kinase-deficient Brutons tyrosine kinase/Bru-ton agammaglobulinemia tyrosine kinase; BTK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	659
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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)

Typical Data & Standard Curve

Results of a typical standard run of a Human BTK ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.120	0.180	0.245	0.368	0.558	0.858	1.359	1.947

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BTK elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human BTK antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human BTK antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human BTK amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human BTK can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	161016839
NCBI GeneID	12229
NCBI Accession #	NP_038510.2
NCBI GenBank Nucleotide #	NM_013482.2
Molecular Weight	76,437 Da
NCBI Official Full Name	tyrosine-protein kinase BTK
NCBI Official Synonym Full Names	Bruton agammaglobulinemia tyrosine kinase
NCBI Official Symbol	Btk
NCBI Official Synonym Symbols	xid; AI528679
NCBI Protein Information	tyrosine-protein kinase BTK
UniProt Protein Name	Tyrosine-protein kinase BTK
UniProt Gene Name	Btk
UniProt Synonym Gene Names	Bpk; ATK; BPK
UniProt Entry Name	BTK_MOUSE

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-btk/98144>