

Rat Bruton's Tyrosine Kinase ELISA Kit | Btk elisa kit

Rat Bruton's Tyrosine Kinase ELISA Kit

CATALOG #
AAA84166

REACTIVITY
Rat

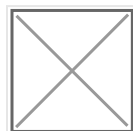
PRODUCT SYNONYMS

Bruton's Tyrosine Kinase; Rat Bruton's Tyrosine Kinase ELISA Kit; Btk elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BTK. No significant cross-reactivity or interference between BTK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BTK and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Btk elisa kit

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

Intended Uses: This BTK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat BTK. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for Btk elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1684918
NCBI GeneID	695
Molecular Weight	79,937 Da
NCBI Official Full Name	Bruton's tyrosine kinase
NCBI Official Synonym Full Names	Bruton agammaglobulinemia tyrosine kinase
NCBI Official Symbol	BTK
NCBI Official Synonym Symbols	AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK1
NCBI Protein Information	tyrosine-protein kinase BTK; B-cell progenitor kinase; agammaglobulinaemia tyrosine kinase; truncated Bruton agammaglobulinemia tyrosine kinase; tyrosine-protein kinase BTK isoform (lacking exon 14); dominant-negative kinase-deficient Brutons tyrosine kinase
UniProt Protein Name	Tyrosine-protein kinase BTK
UniProt Gene Name	BTK
UniProt Synonym Gene Names	AGMX1; ATK; BPK; ATK; BPK
UniProt Entry Name	BTK_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/btk-rat-elisa-kits/brutons-tyrosine-kinase/84166>