

Rat Inhibitor of kB kinase alpha ELISA Kit | IKBa elisa kit

Rat Inhibitor of kB kinase alpha ELISA Kit

CATALOG #
AAA86487

REACTIVITY
Rat

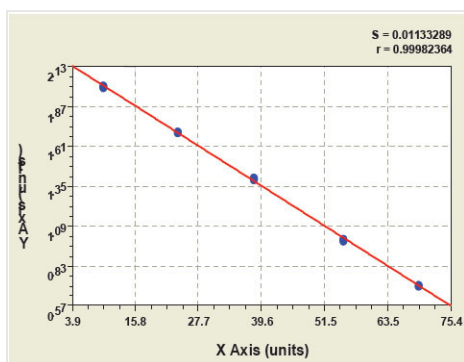
PRODUCT SYNONYMS

Inhibitor of kB kinase alpha; Rat Inhibitor of kB kinase alpha ELISA Kit; Rat Inhibitor of kB kinase a ELISA Kit; IKBa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This IKBA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IKBA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IKBa elisa kit

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

Product Categories/Family for IKBa elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6706211
NCBI GeneID	4792
UniProt Accession #	P25963; B2R8L6
Molecular Weight	35,609 Da
NCBI Official Full Name	IkBα
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
NCBI Official Symbol	NFKBIA
NCBI Official Synonym Symbols	IKBA; MAD-3; NFKBI
NCBI Protein Information	NF-kappa-B inhibitor alpha; ikB-alpha; IkappaBalphα; I-kappa-B-alpha; nuclear factor of kappa light chain gene enhancer in B-cells; major histocompatibility complex enhancer-binding protein MAD3
UniProt Protein Name	NF-kappa-B inhibitor alpha
UniProt Gene Name	NFKBIA
UniProt Synonym Gene Names	IKBA; MAD3; NFKBI; IkB-alpha; IkappaBalphα
UniProt Entry Name	IKBA_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.

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Online datasheet: <https://stage.aaabiotech.com/ikba-rat-elisa-kits/inhibitor-of-kb-kinase-alpha/86487>