

Rat Inhibitor k Binding ELISA Kit | IKBA elisa kit

Rat Inhibitor k Binding ELISA Kit

CATALOG #
AAA85321

REACTIVITY
Rat

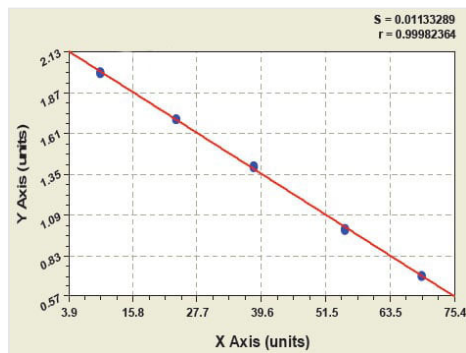
PRODUCT SYNONYMS

Inhibitor k Binding; Rat Inhibitor k Binding ELISA Kit; IKBA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/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.

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; iκB-α; IκappaBα; I-kappa-B-α; 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; IκB-α; IκappaBα
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.