

Rat Nuclear factor kB ELISA Kit | NFkB elisa kit

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CATALOG #
AAA16094

REACTIVITY
Rat

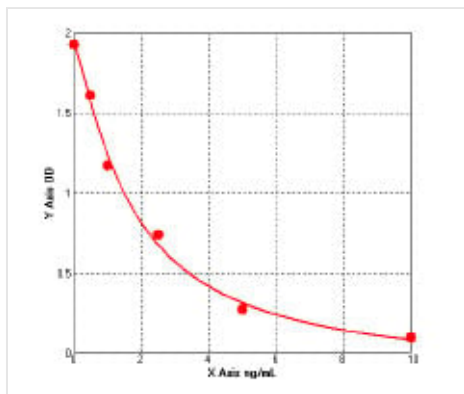
PRODUCT SYNONYMS

Nuclear factor kB; Rat Nuclear factor kB ELISA Kit; NFkB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NFkappaB. No significant cross-reactivity or interference between NFkappaB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NFkappaB 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	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NFkB elisa kit	Principle of the Assay: NFkappaB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NFkappaB antibody and an NFkappaB-HRP conjugate. The assay sample and buffer are incubated together with NFkappaB-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 NFkappaB concentration since NFkappaB from samples and NFkappaB-HRP conjugate compete for the anti-NFkappaB antibody binding site. Since the number of sites is limited, as more sites are occupied by NFkappaB from the sample, fewer sites are left to bind NFkappaB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NFkappaB concentration in each sample is interpolated from this standard curve. Intended Uses: This NFkappaB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NFkappaB. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for NFkB elisa kit	Cell Biology
References	Hepatoprotective effects of glycyrrhizin and omega-3 fatty acids on Nuclear Factor-kappa B pathway in thioacetamide-induced fibrosis in rats. Nada F. Abo El-Magd, Amro El-Karefb, Mamdouh M. El-Shishtawya, Laila A. Eissa (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47551269
NCBI GeneID	373533
NCBI Accession #	NP_999819.1
NCBI GenBank Nucleotide #	NM_214654.1
NCBI Official Full Name	NFkB protein
NCBI Official Symbol	NFkB
NCBI Protein Information	NFkB protein

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/nfkb-rat-elisa-kits/nuclear-factor-kb/16094>