

Rat Nuclear Factor Kappa B (NFkB) ELISA Kit | NFkB elisa kit

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CATALOG #
AAA13969

REACTIVITY
Rat

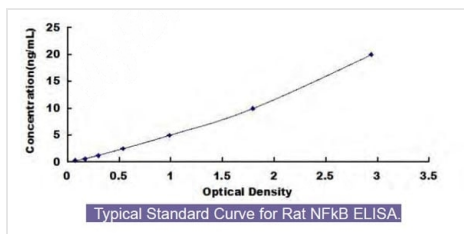
PRODUCT SYNONYMS

Nuclear Factor Kappa B (NFkB); Rat Nuclear Factor Kappa B (NFkB) ELISA Kit; NF-KB1; EBP-1; KBF1; NF-Kappa-B; NFkB-P105; NFkB-P50; Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells 1; Nuclear factor NF-kappa-B p105 subunit; NFkB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NFkB. No significant cross-reactivity or interference between NFkB and analogues was observed.
Sequence Length	522
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NFkB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NFkB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NFkB elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NFkB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NFkB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NFkB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of NFkB in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NFkB in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2500134
NCBI GeneID	81736
UniProt Accession #	Q63369
Molecular Weight	56,554 Da
NCBI Official Full Name	Nuclear factor NF-kappa-B p105 subunit
NCBI Official Synonym Full Names	nuclear factor kappa B subunit 1
NCBI Official Symbol	Nfkb1
NCBI Official Synonym Symbols	EBP-1; NF-kB
NCBI Protein Information	nuclear factor NF-kappa-B p105 subunit
UniProt Protein Name	Nuclear factor NF-kappa-B p105 subunit
UniProt Gene Name	Nfkb1

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.