

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

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CATALOG #
AAA20691

REACTIVITY
Mouse

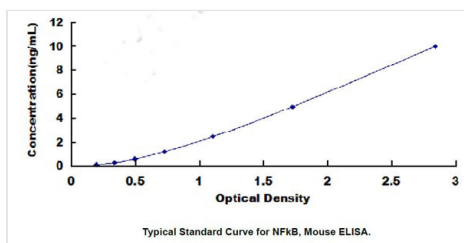
PRODUCT SYNONYMS

Nuclear Factor Kappa B (NFkB); Mouse 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	Mouse
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	1095
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/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	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NFkB elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NFkB. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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 in vitro quantitative measurement of NFkB in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NFkB elisa kit	Signal Transduction
References	Immunomodulatory assessment of Portulaca oleracea L. extract in a mouse model of colitis; Biomed Pharmacother; 2021 Nov;143:112148.; PMID: 34560553 ; Manal A Alfwuaires; Department of Biological Sciences, Faculty of Science, King Faisal University, P.O. Box 380, Al-Ahsa 31982, Saudi Arabia. Electronic address: malfwuaires@kfu.edu.sa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	525314262
NCBI GeneID	100616089
NCBI Accession #	NP_001266238.1
NCBI GenBank Nucleotide #	NM_001279309.1
NCBI Official Full Name	nuclear factor kappa B
NCBI Official Symbol	Nfkb
NCBI Protein Information	nuclear factor kappa B

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://www.aaabiotech.com/mouse-elisa-kits/nuclear-factor-kappa-b-nfkb/20691>