

Human nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 ELISA Kit | NFKB1 elisa kit

Human Nuclear factor-kappa B, NF- degree B ELISA Kit

CATALOG #
AAA80575

REACTIVITY
Human

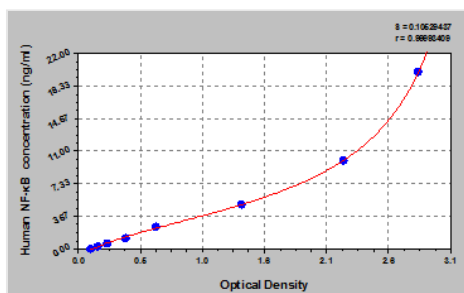
PRODUCT SYNONYMS

nuclear factor of kappa light polypeptide gene enhancer in B-cells 1; Human Nuclear factor-kappa B; NF- degree B ELISA Kit; NF-kappaB ELISA Kit; DKFZp686C01211; EBP-1; KBF1; MGC54151; NF-kappa-B; NF-kappaB; NFKB-p105; NFKB-p50; p105; p50; DNA binding factor KBF1; NF-kappabeta; nuclear factor NF-kappa-B p50 subunit; nuclear factor kappa-B DNA bi; NFKB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NF-kB. No significant cross-reactivity or interference between human NF-kB and analogues was observed.
Sequence Length	968
Samples	Serum, plasma, tissue homogenates, cell lysates.
Detection Range	0.312 ng/ml -20 ng/ml.
Sensitivity	The minimum detectable dose of human NF-kB is typically less than 0.078 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Assay Type	Sandwich
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NFKB1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NF-kappaB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NF-kappaB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NF-kappaB is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NF-kappaB bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	259155302
NCBI GeneID	4790
NCBI Accession #	NP_001158884.1
NCBI GenBank Nucleotide #	NM_001165412.1
UniProt Accession #	P19838; Q68D84; Q86V43; Q8N4X7; Q9NZC0; A8K5Y5; B3KVE8
Molecular Weight	105,356 Da
NCBI Official Full Name	nuclear factor NF-kappa-B p105 subunit isoform 2
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
NCBI Official Symbol	NFKB1
NCBI Official Synonym Symbols	p50; KBF1; p105; EBP-1; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B
NCBI Protein Information	nuclear factor NF-kappa-B p105 subunit; NF-kappabeta; DNA binding factor KBF1; DNA-binding factor KBF1; nuclear factor NF-kappa-B p50 subunit; nuclear factor kappa-B DNA binding subunit
UniProt Protein Name	Nuclear factor NF-kappa-B p105 subunit
UniProt Gene Name	NFKB1
UniProt Entry Name	NFKB1_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.