

Rat Nuclear factor-kappa B (NF-kB) ELISA Kit | NF-kB elisa kit

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CATALOG #
AAA56043

REACTIVITY
Rat

PRODUCT SYNONYMS

Nuclear factor-kappa B (NF-kB); Rat Nuclear factor-kappa B (NF-kB) 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; NF-kB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat NF-kB. No significant cross-reactivity or interference between Rat NF-kB and analogues was observed.
Sequence Length	522
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.31 ng/mL - 20 ng/mL
Sensitivity	0.15 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%

ADDITIONAL INFORMATION

Related Product Information for NF-kB elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate NF-kB in Rat serum, plasma, tissue homogenates. An antibody specific for NF-kB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NF-kB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NF-kB is added to the wells. After washing, Streptavidin 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-kB bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Rat Nuclear factor-kappa B (NF-kB) concentration in serum, plasma, tissue homogenates and other biological fluids.

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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/nuclear-factor-kappa-b-nf-kb/56043>