

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

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CATALOG #
AAA330219

REACTIVITY
Rat

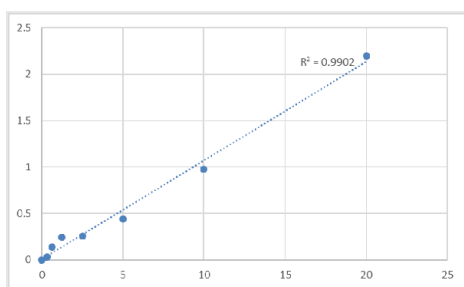
PRODUCT SYNONYMS

Nuclear Factor-kappa B (NF-kB); Rat Nuclear Factor-kappa B (NF-kB) ELISA Kit; NFKB1; 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	Rat Nuclear factor-kappa B (NF-kB) ELISA Kit has high sensitivity and excellent specificity for detection of Rat NFKB1. No significant cross-reactivity or interference between Rat NFKB1 and analogues was observed.
Sequence Length	522
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Nuclear factor-kappa B (NF-kB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NF-Kb elisa kit	Description: This Rat Nuclear factor-kappa B (NF-kB) ELISA Kit employs a two-site sandwich ELISA to quantitate NFkB1 in samples. An antibody specific for NFkB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NFkB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NFkB1 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 NFkB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Nuclear factor NF-kappa-B p105 subunit isa 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappaB (NF-kappaB) protein complex. NF-kappaB is a transcription factor that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NF-kappaB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions; over 200 known genes are targets of NF-kappaB in various cell types, under specific conditions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2500134
NCBI GeneID	81736
UniProt Accession #	Q63369
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.