

Human Nuclear Factor-KB p65 (NF-KB p65) ELISA Kit | NF-KB elisa kit

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CATALOG #
AAA331008

REACTIVITY
Human

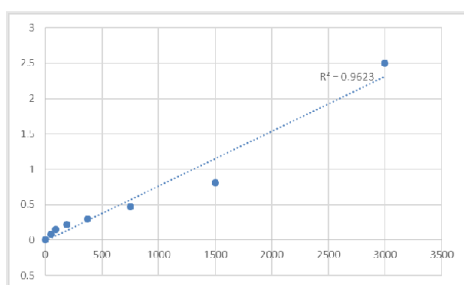
PRODUCT SYNONYMS

Nuclear Factor-KB p65 (NF-KB p65); Human Nuclear Factor-KB p65 (NF-KB p65) ELISA Kit; RELA; MGC131774; NFKB3; p65; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; v-rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene; NF-KB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Nuclear factor-KB p65 (NF-KB p65) ELISA Kit has high sensitivity and excellent specificity for detection of Human RELA. No significant cross-reactivity or interference between Human RELA and analogues was observed.
Sequence Length	548
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. Human Nuclear factor-KB p65 (NF-KB p65) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NF-KB elisa kit	Description: This Human Nuclear factor-KB p65 (NF-KB p65) ELISA Kit employs a two-site sandwich ELISA to quantitate RELA in samples. An antibody specific for RELA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RELA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RELA 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 RELA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NF-kappa-B is a ubiquitous transcription factor involved in several biological processes. It is held in the cytoplasm in an inactive state by specific inhibitors. Upon degradation of the inhibitor, NF-kappa-B moves to the nucleus and activates transcription of specific genes. NF-kappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFKB1 complexed with the product of REL. Four transcript variants encoding different isoforms have been found for RELA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223468681
NCBI GeneID	5970
NCBI Accession #	NP_001138610.1
NCBI GenBank Nucleotide #	NP_001138610.1
UniProt Accession #	Q04206
NCBI Official Full Name	transcription factor p65 isoform 2
NCBI Official Synonym Full Names	RELA proto-oncogene, NF-kB subunit
NCBI Official Symbol	RELA
NCBI Official Synonym Symbols	p65; CMCU; NFKB3
NCBI Protein Information	transcription factor p65
UniProt Protein Name	Transcription factor p65
UniProt Gene Name	RELA
UniProt Synonym Gene Names	NFKB3
UniProt Entry Name	TF65_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.