

Human Nf-Kappa-B Inhibitor Alpha, NFKBIA ELISA Kit | NFKBIA elisa kit

Human Nf-Kappa-B Inhibitor Alpha, NFKBIA Primacu ELISA Kit

CATALOG #
AAA124355

REACTIVITY
Human

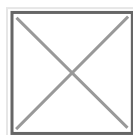
PRODUCT SYNONYMS

Nf-Kappa-B Inhibitor Alpha; NFKBIA; Human Nf-Kappa-B Inhibitor Alpha; NFKBIA Primacu ELISA Kit; NF-kappa-B inhibitor alpha; Ikb alpha; IKBA; MAD3; NFKBI; NFKBIA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	12.5-800pg/mL
Sensitivity	3.37pg/mL
Standard Solution	8ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for NFKBIA elisa kit

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (Ikb alpha, NFKBIA, or IKBA), is a member of the NF-kappa-B inhibitor family that function to inhibit the NF-kB transcription factor. NFKBIA inhibits NF-kB by masking the nuclear localization signals (NLS) of NF-kB proteins and keeping them sequestered in an inactive state in the cytoplasm. Also, NFKBIA blocks the ability of NF-kappaB transcription factors to bind to DNA, which is required for NF-kB's proper functioning. Signal-induced degradation of I kappa B alpha exposes the nuclear localization signal of NF-kappa B, thus allowing it to translocate into the nucleus and activate transcription from responsive genes. An autoregulatory loop is established when NF-kappa B induces expression of the I kappa B alpha gene and newly synthesized I kappa B alpha accumulates in the nucleus where it negatively regulates NF-kappa B-dependent transcription. As part of this post-induction repression, the nuclear export signal on I kappa B alpha mediates the transport of NF-kappa B-I kappa B alpha complexes from the nucleus to the cytoplasm. Deletion of NFKBIA has an effect that is similar to the effect of EGFR amplification in the pathogenesis of glioblastoma and is associated with comparatively short survival. Polymorphisms in NFKBIA may be important in pre-disposition to and outcome after treatment, of multiple myeloma (MM). The NFKBIA gene product, IkappaBalpha, binds to NF-kappaB preventing its activation and is important in mediating resistance to apoptosis in B-cell lymphoproliferative diseases.

Product Categories/Family for NFKBIA elisa kit

Primacu ELISA Kit; Cancer; Epigenetics and nuclear signaling; Immunology; Neuroscience; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	10092619
NCBI GeneID	4792
NCBI Accession #	NP_065390.1
NCBI GenBank Nucleotide #	NM_020529.2
UniProt Accession #	P25963; B2R8L6
Molecular Weight	35,609 Da
NCBI Official Full Name	NF-kappa-B inhibitor alpha
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
NCBI Official Symbol	NFKBIA
NCBI Official Synonym Symbols	IKBA; MAD-3; NFKBI
NCBI Protein Information	NF-kappa-B inhibitor alpha; ikB-alpha; IkappaBalpha; I-kappa-B-alpha; nuclear factor of kappa light chain gene enhancer in B-cells; major histocompatibility complex enhancer-binding protein MAD3
UniProt Protein Name	NF-kappa-B inhibitor alpha
UniProt Gene Name	NFKBIA
UniProt Synonym Gene Names	IKBA; MAD3; NFKBI; IkB-alpha
UniProt Entry Name	IKBA_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/nf-kappa-b-inhibitor-alpha-nfkbia/124355>