

Rat Interleukin 32 alpha ELISA Kit | IL-32a elisa kit

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CATALOG #
AAA86451

REACTIVITY
Rat

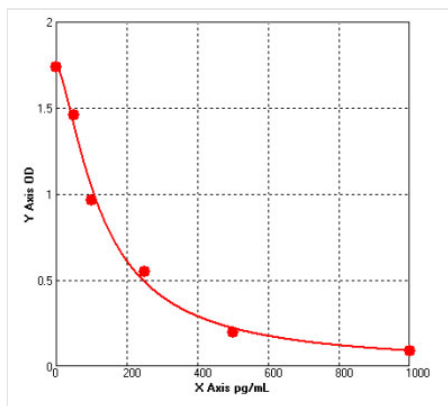
PRODUCT SYNONYMS

Interleukin 32 alpha; Rat Interleukin 32 alpha ELISA Kit; IL-32a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-32alpha. No significant cross-reactivity or interference between IL-32alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-32alpha and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This IL-32a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IL-32a. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-32a elisa kit	Principle of the Assay: IL-32alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-32alpha antibody and an IL-32alpha-HRP conjugate. The assay sample and buffer are incubated together with IL-32alpha-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-32alpha concentration since IL-32alpha from samples and IL-32alpha-HRP conjugate compete for the anti-IL-32alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-32alpha from the sample, fewer sites are left to bind IL-32alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-32alpha concentration in each sample is interpolated from this standard curve. Intended Uses: This IL-32alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IL-32alpha. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for IL-32a elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	61658634
NCBI GeneID	9235
NCBI Accession #	NP_001012651.1
NCBI GenBank Nucleotide #	NM_001012633.1
Molecular Weight	17,003 Da
NCBI Official Full Name	interleukin-32 isoform A
NCBI Official Synonym Full Names	interleukin 32
NCBI Official Symbol	IL32
NCBI Official Synonym Symbols	NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma
NCBI Protein Information	interleukin-32; interleukin-32 eta; interleukin-32 small; interleukin-32 theta; natural killer cells protein 4; natural killer cell transcript 4; tumor necrosis factor alpha-inducing factor
UniProt Protein Name	Interleukin-32
UniProt Gene Name	IL32
UniProt Synonym Gene Names	NK4; TAIF; IL-32
UniProt Entry Name	IL32_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/il-32a-rat-elisa-kits/interleukin-32-alpha/86451>