

Human Interleukin-32 ELISA Kit | IL32 elisa kit

Human Interleukin-32 ELISA Kit

CATALOG #
AAA102183

REACTIVITY
Human

PRODUCT SYNONYMS

Interleukin-32; Human Interleukin-32 ELISA Kit; IL-32 (Interleukin 32)/NK4/TAIF/IL-32/IL-32alpha/IL-32beta/interleukin-32/interleukin-32 theta/natural killer cell transcript 4/Natural killer cells protein 4/NK4IL-32delta/TAIFa/TAIFb/TAIFc/TAIFd/TAIFIL-32gamma/Tumor necrosis factor alpha-inducing factor; IL32 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL3. No significant cross-reactivity or interference between IL3 and analogues was observed.
Sequence Length	234
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a IL32 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.143	0.209	0.277	0.407	0.606	0.959	1.570	2.402

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL32 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	815890841
NCBI GeneID	9235
NCBI Accession #	NP_001295007.1
NCBI GenBank Nucleotide #	NM_001308078.1
Molecular Weight	17,003 Da
NCBI Official Full Name	interleukin-32 isoform E
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il32-human-elisa-kits/interleukin-32/102183>