

Human Nuclear factor of activated T-cells, cytoplasmic 1 ELISA Kit | NFATC1 elisa kit

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CATALOG #
AAA99008

REACTIVITY
Human

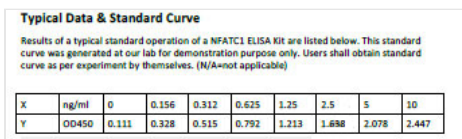
PRODUCT SYNONYMS

Nuclear factor of activated T-cells; cytoplasmic 1; Human Nuclear factor of activated T-cells; cytoplasmic 1 ELISA Kit; NFATC1/NFAT2/NFAT transcription complex cytosolic component/NFATC/NF-ATC/NF-ATc1/nuclear factor of activated T-cells; cytoplasmic; calcineurin-dependent 1/Nuclear Factor of Activated T Cells C1; NFATC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NFATC1 . No significant cross-reactivity or interference between NFATC1 and analogues was observed.
Sequence Length	827
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NFATC1 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 NFATC1 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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NFATC1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NFATC1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- NFATC1 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. HRPStreptavidin 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 NFATC1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NFATC1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38348193
NCBI GeneID	18018
NCBI Accession #	NP_940821.1
NCBI GenBank Nucleotide #	NM_198429.2
Molecular Weight	74,328 Da
NCBI Official Full Name	nuclear factor of activated T-cells, cytoplasmic 1 isoform 2
NCBI Official Synonym Full Names	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1
NCBI Official Symbol	Nfatc1
NCBI Official Synonym Symbols	NFAT2; NFATc; NF-ATc; Nfatcb; AI449492; AV076380; 2210017P03Rik
NCBI Protein Information	nuclear factor of activated T-cells, cytoplasmic 1
UniProt Protein Name	Nuclear factor of activated T-cells, cytoplasmic 1
UniProt Gene Name	Nfatc1
UniProt Synonym Gene Names	Nfat2; Nfatc; NF-ATc1; NFATc1; NF-ATc; NFATc
UniProt Entry Name	NFAC1_MOUSE

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/nfatc1-human-elisa-kits/nuclear-factor-of-activated-t-cells-cytoplasmic-1/99008>