

Mouse anti-Human NFATc1 Monoclonal Antibody | anti-NFATc1 antibody

NFATc1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48044	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

NFATc1; Monoclonal Antibody; NFATc1 antibody; nuclear factor of activated T-cells; cytosolic component 1 isoform A; NF-ATC; NFATc; NFAT2; anti-NFATc1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT1C3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	716
Applicable Applications for anti-NFATc1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human NFATc1 (428-716aa) purified from E. coli
Clone Note	Anti-human NFATc1 mAb, clone AT1C3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human NFATc1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of NFATc1 in HaLe cells. The cell was stained with ATGA0133 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NFATc1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: NFATc1 transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-NFATc1 antibody	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (NFATc1) is a component of the nuclear factor of activated T cells DNA-binding transcription complex which consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation, and an inducible nuclear component. This protein plays a main role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 or IL-4 gene transcription and functions as a major molecular target for the immunosuppressive drugs such as cyclosporine A. NFATc1 is expressed in most human primary lymphocytes and mature human T- and B-cell neoplasms.
Product Categories/Family for anti-NFATc1 antibody	Transcription & Translation
References	Akimzhanov A, et al., (2008) Am J Pathol 172 (1):215-224; Asagiri M, et al., (2005) J Exp Med 202 (9):1261-1269; Rao A, et al., (1997) Annu Rev Immunol 15:707-747

NCBI AND UNIPROT INFORMATION

NCBI GI #	27502393
NCBI GeneID	4772
NCBI Accession #	NP_765978
NCBI GenBank Nucleotide #	NM_172390.2
UniProt Accession #	O95644; Q12865; Q15793; Q2M1S3; B5B2M4; B5B2M5; B5B2M6; B5B2M7; B5B2M8; B5B2M9; B5B2N1
Molecular Weight	38,626 Da
NCBI Official Full Name	nuclear factor of activated T-cells, cytoplasmic 1 isoform A
NCBI Official Synonym Full Names	nuclear factor of activated T cells 1
NCBI Official Symbol	NFATC1
NCBI Official Synonym Symbols	NFAT2; NFATc; NF-ATC; NF-ATc1.2
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

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/monoclonal/nfatc1-antibody-clone-at1c3-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48044>