

Mouse anti-Human IL-32 Monoclonal Antibody | anti-IL-32 antibody

IL-32 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48064	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

IL-32; Monoclonal Antibody; IL-32 antibody; Interleukin 32 isoform A; Natural killer cells protein 4 (NK4); Tumor necrosis factor alpha-inducing factor (TAIF); Interleukin 32; Interleukin 32 isoform A IL 32alpha; IL 32beta; IL 32delta; IL 32gamma; Natural killer cells protein 4; NK 4; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; il32; anti-IL-32 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT2F9
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	131
Applicable Applications for anti-IL-32 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human IL32 (1-131aa) purified from E. coli
Clone Note	Anti-human IL32 mAb, clone AT2F9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human IL32 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 IL32 in Jurkat cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human IL32 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IL32 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: U937 cell lysate Cell lysates of Jurkat (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human IL-32 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-IL-32 antibody	The gene encoding IL32 is located on human chromosome 16p13.3 and is organized into eight exons. IL32 is mainly expressed in natural killer cells, T cells, epithelial cells, and blood monocytes. It can induce the proinflammatory cytokines TNFalpha and IL1beta in murine peritoneal macrophages as well as in phorbol ester-differentiated human THP1 cells. In the inflamed lesions of chronic pancreas, the ductal expression of IL32 was markedly increased. Pancreatic duct cells are the local source of IL32, and IL32 may play an important role in inflammatory responses and pancreatic cancer growth. Recently, a synergism between IL32 and other well characterized players in innate immunity has been documented.
Product Categories/Family for anti-IL-32 antibody	Immunology
References	Nishida A, et al. (2009) J Biol Chem, 284 (26):17868-76.; Kobayashi H, et al. (2009) Cytokine, 46 (3):351-8.; Mabileau G, et al. (2009) PLoS One, 4 (1):e4173.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61658634
NCBI GeneID	9235
NCBI Accession #	NP_001012651
NCBI GenBank Nucleotide #	NM_001012633.1
UniProt Accession #	P24001; Q5VFH7; Q5VFH8; Q8WV38; Q96GK9; A6NNM0; A8MPX0; B4DJM1; B8Q191; D3DUB0; D3DUB2
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
UniProt Protein Name	Interleukin-32
UniProt Gene Name	IL32
UniProt Synonym Gene Names	NK4; TAIF; IL-32

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/il-32-antibody-clone-at2f9-immunofluorescence-immunocytochemistry-western-blot-elisa/48064>