

Mouse Anti-IL32 Monoclonal Antibody

Cat. No. DMABT-H19213 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-IL32 Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	Interleukin 32 (IL-32), previously known as a transcript (NK4), is produced by mitogen-activated lymphocytes, by IFNγ-activated epithelial cells or by IL-12 and IL-18-activated NK cells. Its expression is increased following activation of T-cells by mitogens or the activation of NK cells by IL-2. IL-32 activates NF-κB and p38 MAPK cytokine signal pathways. It has been suggested that IL-32 may play a role in autoimmune and inflammatory diseases such as rheumatoid arthritis. IL-32 is unusual in that it does not share sequence homology with known cytokine families and is highly expressed in immune tissues. IL-32 exists in at least four differentially spliced isoforms (alpha, beta, gamma and delta) with predicted molecular weight: ~26 kD. IL-32alpha is the shortest and most abundant of four potential splice variants of the pro-inflammatory cytokine IL-32. Potential modifications include myristoylation and N-glycosylation. Transfected IL-32 alpha was more likely to be cell-associated as compared to IL-32beta, suggesting an intracellular function.
Target	IL32
Immunogen	Recombinant human IL-32 alpha
Isotype	IgG1, kappa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

species	Human
Conjugation	Biotin
Applications	ELISA,Flow Cyt,WB,IFA,IP
Preparation	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.2-1 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of human IL-32 recombinant protein ranging from 2000 to 26pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. Do not freeze.
Size	50 µg

GENE INFORMATION

Gene Name	IL32 interleukin 32 [Homo sapiens]
Official Symbol	IL32
Synonyms	IL32; interleukin 32; interleukin-32; natural killer cell transcript 4; NK4; TAIF; TAIFb; TAIFd; interleukin-32 eta; interleukin-32 small; interleukin-32 theta; natural killer cells protein 4; tumor necrosis factor alpha-inducing factor; TAIFa; TAIFc; IL-32beta; IL-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	32alpha; IL-32delta; IL-32gamma;
Gene ID	9235
mRNA Refseq	NM_001012631
Protein Refseq	NP_001012649
MIM	606001
UniProt ID	P24001
Chromosome Location	16p13.3
Function	cytokine activity;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA