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Anti-IL32 Antibody Picoband™ (monoclonal, 2I2)

Catalog # ABO14901

Product Information

Application	E
Primary Accession	P24001
Host	Mouse
Isotype	Mouse IgG2b
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Anti-IL32 Antibody Picoband™ (monoclonal, 2I2) . Tested in ELISA applications. This antibody reacts with Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500 □g/ml.

Additional Information

Gene ID	9235
Other Names	Interleukin-32, IL-32, Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32, NK4, TAIF
Calculated MW	26676
Application Details	ELISA (Cap), 1-5 □g/ml, Human
Subcellular Localization	Secreted
Tissue Specificity	Expressed in all tissues, but more abundant in heart, brain and skeletal muscle.
Source	Eukaryota
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg NaN_3.
Clone Names	Clone: 2I2
Immunogen	E. coli-derived human IL32 recombinant protein (Position: A31-K234).
Cross Reactivity	No cross-reactivity with other proteins.
Storage	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.

Protein Information

Name	IL32
Synonyms	NK4, TAIF
Function	Cytokine that may play a role in innate and adaptive immune responses. It induces various cytokines such as TNFA/TNF and IL8. It activates typical cytokine signal pathways of NF-kappa-B and p38 MAPK.
Cellular Location	Secreted.
Tissue Location	Selectively expressed in lymphocytes. Expression is more prominent in immune cells than in non-immune cells

Background

Interleukin 32 (Il32) is a protein that in humans is encoded by the IL32 gene. This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Images

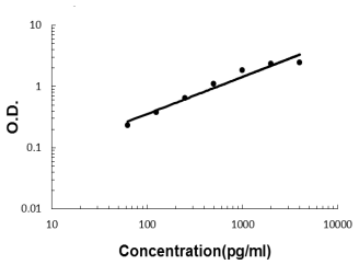

Figure 1. Sandwich ELISA - Recombinant human IL32 protein standard curve.
Use in combination with reagents from Human IL32 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ1599).