

Anti-IL-32A Antibody Peroxidase Conjugated

Catalog Number: A03286-1

About IL32

IL-32A (also known as Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32alpha, Interleukin-32 and IL-32 isoform 4) is a member of the cytokine family. IL-32a is a secreted protein selectively expressed in lymphocytes and plays a role in innate and adaptive immune responses. 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 and IL-8. It induces typical cytokine pathways of NF-kB and p38 MAPK. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Overview

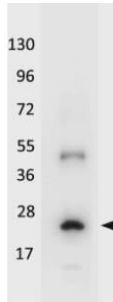
Product Name	Anti-IL-32A Antibody Peroxidase Conjugated
Reactive Species	Human
Description	Boster Bio Anti-IL-32A Antibody Peroxidase Conjugated (Catalog # A03286-1). Tested in WB applications. This antibody reacts with Human.
Conjugate	HRP
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, antibody formulated with stabilizing protein (10 mg/mL) - Immunoglobulin and Protease free, 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide! *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship at ambient temperature.)
Host	Rabbit
Uniprot ID	P24001

Technical Details

Immunogen	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-32A protein.
-----------	---

Predicted Reactive Species	Bovine, Pufferfish, Zebrafish
Isotype	IgG
Form	Lyophilized
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-32A in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Suggested Dilutions	ELISA: 1:10,000 - 1:50,000 IHC: 1:500 - 1:2,500 WB: 1:1,000 - 1:5,000 This purified antibody has been tested in western blotting and suitable for ELISA. By western blot a band approximately 15 kDa in size corresponding to native human IL-32alpha protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.

Anti-IL-32A Antibody Peroxidase Conjugated (A03286-1) Images



Western blot using Boster's HRP conjugated anti-Human IL-32A antibody shows detection of a band ~19 kDa in size corresponding to recombinant human IL-32A. The identity of the higher molecular weight band is unknown. Molecular weight markers are shown (left). After transfer, the membrane was blocked with 3% BSA in TBS followed by reaction with antibody at a 1:5,000 dilution for 30 min at room temperature. Detection occurred using TMB substrate.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-IL-32A Antibody Peroxidase Conjugated

For Research Use Only. Not for use in diagnostic procedures.