

Datasheet for ABIN3042738
anti-IL-15 antibody (AA 49-162)



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1 Image

Overview

Quantity:	100 µg
Target:	IL-15 (IL15)
Binding Specificity:	AA 49-162
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-IL15 Antibody Picoband®
Immunogen:	E.coli-derived human IL-15 recombinant protein (Position: N49-S162). Human IL-15 shares 70% amino acid (aa) sequence identity with both mouse and rat IL-15.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-IL15 Antibody Picoband® (ABIN3042738). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL15 (IL15 Products)
Background:	Synonyms: Interleukin-15,IL-15,IL15, Tissue Specificity: Most abundant in placenta and skeletal muscle. It is also detected in the heart, lung, liver and kidney. IL15- S21AA is preferentially expressed in tissues such as testis and thymus. Background: Interleukin (IL)-15 is a cytokine with the ability to stimulate the proliferation activity of Th1 and/or Th2 lymphocytes. This gene is mapped to human chromosome 4q31 by fluorescence in situ hybridization. IL-15 is a novel cytokine whose effects on T-cell activation and proliferation are similar to those of interleukin-2 (IL-2), presumably because IL-15 utilizes the beta and gamma chains of the IL-2 receptor. IL-15 can play a role in the initiation and outcome of acute and chronic rejection. Anti-IL-15 therapy in combination with classic immunosuppression therapy might be beneficial in the prevention of acute, and especially chronic, allograft rejection. Sequence Similarities: Belongs to the IL-15/IL-21 family.
Molecular Weight:	15 kDa
Gene ID:	3600
UniProt:	P40933
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	ELISA, 0.1-0.5 µg/mL, - Western blot, 0.1-0.5 µg/mL, Human 1. Anderson, D. M., Johnson, L., Glaccum, M. B., Copeland, N. G., Gilbert, D. J., Jenkins, N. A., Valentine, V., Kirstein, M. N., Shapiro, D. N., Morris, S. W., Grabstein, K., Cosman, D. Chromosomal assignment and genomic structure of IL15. Genomics 25: 701-706, 1995. 2. Conti F, Frappier J, Dharancy S, Chereau C, Houssin D, Weill B, Calmus Y. Interleukin-15 production during liver allograft rejection in humans. Transplantation. 2003 Jul 15;76(1):210-6.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.

Images



Western Blotting

Image 1. Anti- IL15 antibody, Western blotting All lanes: Anti IL15 at 0.5ug/ml WB: Recombinant Human IL15 Protein 0.5ng Predicted bind size: 15KD Observed bind size: 15KD