

Datasheet for ABIN1077441
anti-IL-15 antibody



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1 Image

Overview

Quantity:	0.1 mg
Target:	IL-15 (IL15)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Rabbit polyclonal IL-15 antibody was raised against a 13 amino acid peptide near the center of human IL-15.
Isotype:	IgG
Specificity:	At least two isoforms of IL-15 are known to exist.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL15 (IL15 Products)
Background:	Interleukin 15 (IL-15) is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and IL-2 share many biological activities as both have been found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be

Target Details

controlled by a balance between IL-15 and IL-2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. In mouse, studies suggest that IL-15 may increase the expression of apoptosis inhibitor Bcl-xL, possibly through the transcription activation activity of STAT6, and thus prevent apoptosis.

Synonyms: Interleukin-15, IL15

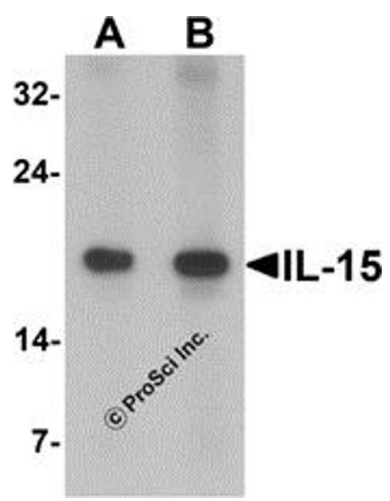
Molecular Weight:	18 kDa
Gene ID:	3600
NCBI Accession:	NP_000576
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	IL-15 antibody can be used for detection of IL-15 by Western blot at 1 - 2 µg/mL.
Comment:	(IN) Interleukin-15
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 0.02 % 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:	As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Storage:	4 °C/-20 °C



Western Blotting

Image 1.