

Datasheet for 600-401-BU3**IL-15 Antibody****Overview**

Description:	Anti-IL-15 (RABBIT) Antibody - 600-401-BU3
Item No.:	600-401-BU3
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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 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:	IL-15 Antibody, IL-15, Interleukin-15, IL-15
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL15
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- IL-15 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid peptide near the internal region of human IL-15.

Purity/Specificity: Anti-IL-15 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of IL-15 are known to exist.

Relevant Links:

- [UniProtKB - P40933](#)
- [GeneID - 3600](#)
- [NCBI - NP_000576](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-IL-15 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 18 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

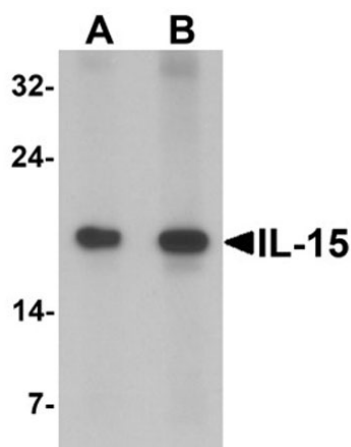
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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: Expiration date is one (1) year from date of receipt.

Images

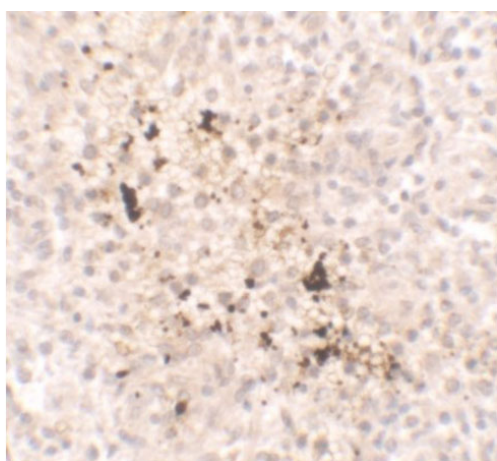


Western Blot

Western blot analysis of IL-15.

Load: rat spleen tissue lysate.

Primary Antibody: IL-15 antibody at (A) 1 and (B) 2 μ g/mL.



Immunohistochemistry

Immunohistochemistry of IL-15.

Tissue: human spleen tissue.

Primary Antibody: IL-15 antibody at 2.5 μ g/ml.

Disclaimer

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