

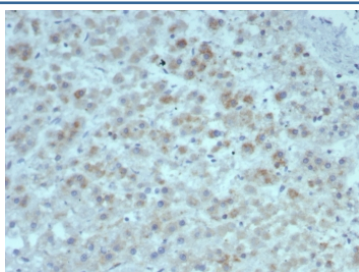
## Interleukin-15 Antibody / IL15 [clone rIL15/8049] (V5066)

Catalog No.	Formulation	Size
V5066-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5066-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5066SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rIL15/8049
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P40933
<b>Localization</b>	Secreted, Cytoplasm, Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Interleukin-15 antibody is available for research use only.



IHC staining of FFPE human adrenal gland tissue with Interleukin-15 antibody (clone rIL15/8049). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Description

Interleukin-15 (IL-15), also designated IL-T, is a cloned cytokine which shares several biological activities but no sequence homology with IL-2. Human, mouse and simian IL-15 cDNA clones have been isolated and characterized. All 3 species encode a 162 amino acid residue precursor protein containing a 48 amino acid leader that is cleaved to generate the mature form of IL-15. IL-15 stimulates the proliferation of T cells and NK cells, while enhancing B cell expansion and

antibody production. Unlike IL-2, IL-15 is not produced by lymphocytes, but appears to be produced by macrophages, epithelial lines, muscle and placenta. IL-15 has also been shown to be a chemoattractant for human blood T lymphocytes and to be able to induce lymphokine-activated killer (LAK) activity in NK cells as well as to be able to induce the generation of cytolytic effector cells. Studies have shown that IL-15 is the only other cytokine that shares the beta signaling subunit of the IL-2R. Evidence also suggests that like IL-2, IL-4 and IL-7, IL-15 utilizes the common IL-2Rgamma subunit.

## **Application Notes**

Optimal dilution of the Interleukin-15 antibody should be determined by the researcher.

## **Immunogen**

A recombinant partial protein sequence (within amino acids 1-152) from the human protein was used as the immunogen for the Interleukin-15 antibody.

## **Storage**

Aliquot the Interleukin-15 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.