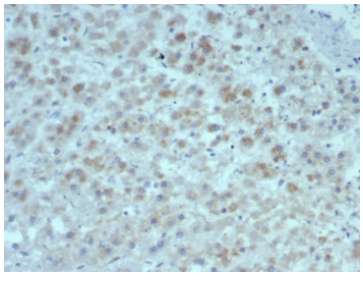
Interleukin-15 Antibody rIL15/8049 / Recombinant IL15 Mouse Monoclonal Antibody [clone rIL15/8049] (V5066)

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

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rIL15/8049
Purity	Protein A/G affinity
UniProt	P40933
Localization	Secreted, Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Interleukin-15 Antibody rIL15/8049 / Recombinant IL15 Mouse Monoclonal Antibody is available for research use only.



Interleukin-15 Antibody rIL15/8049 Immunohistochemistry. 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.

For an IL-15 monoclonal with complementary Western blot, IHC, and protein microarray validation, see our IL15 Antibody IL15/4354 / Interleukin-15 Monoclonal Antibody page.

Application Notes

Optimal dilution of the Interleukin-15 Antibody rIL15/8049 / Recombinant IL15 Mouse Monoclonal 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 rIL15/8049.

Storage

Aliquot the Interleukin-15 Antibody rIL15/8049 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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