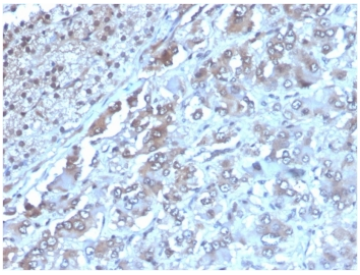
IL-2 Antibody IL2/3949 / Mouse Monoclonal [clone IL2/3949] (V9538)

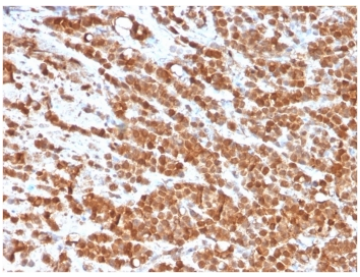
Catalog No.	Formulation	Size
V9538-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9538-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9538SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

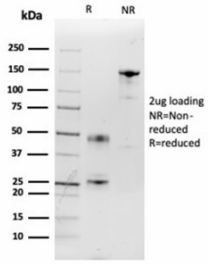
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	IL2/3949
Purity	Protein A/G affinity
UniProt	P60568
Localization	Secreted
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This IL-2 Antibody IL2/3949 is available for research use only.



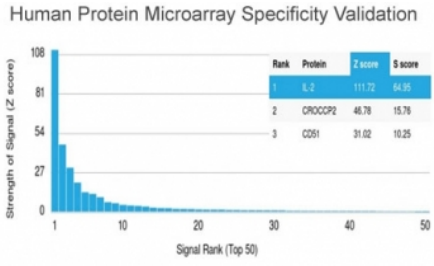
IL-2 Antibody IL2/3949 IHC. IHC staining of FFPE human adrenal gland with IL-2 antibody (clone IL2/3949). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colon carcinoma tissue with IL-2 antibody (clone IL2/3949). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free IL-2 antibody (clone IL2/3949) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using IL-2 antibody (clone IL2/3949). These results demonstrate the foremost specificity of the IL2/3949 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

IL-2 Antibody IL2/3949 detects Interleukin-2, a T cell stimulatory cytokine that induces T cell proliferation and NK cell proliferation and activation. Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). IL-2 induces CTLA-4 and also functions as a survival factor for lymphocytes.

For a monoclonal clone with IHC and protein microarray specificity validation, see our Interleukin-2 Antibody IL2/4983 / IL-2 Antibody page.

Application Notes

Optimal dilution of the IL-2 Antibody IL2/3949 should be determined by the researcher.

Immunogen

A portion of amino acids 21-153 was used as the immunogen for the IL-2 Antibody IL2/3949.

Storage

Aliquot the IL-2 Antibody IL2/3949 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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