

Anti-IL-2 Antibody [IL2/3949] (A277665)

Specifications:

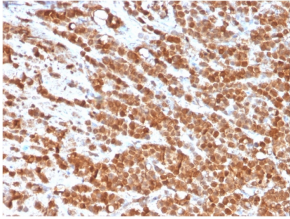
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| Name: | Anti-IL-2 Antibody [IL2/3949] |
| Description: | Mouse monoclonal [IL2/3949] antibody to IL-2. |
| Specificity: | Interleukin-2 (IL-2) is a T cell stimulatory cytokine that induces T cell proliferation and NK cell proliferation and activation. 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. |
| Applications: | IHC-P |
| Recommended Dilutions: | IHC-P: 1-2 µg/ml |
| Reactivity: | Human |
| Immunogen: | Recombinant fragment, around amino acids 21-153, of human IL-2 protein. The exact sequence is proprietary. |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | IL2/3949 |
| Isotype: | IgG2a |
| Light Chains: | kappa |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 200 µg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| General Notes: | This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-IL-2 Antibody [IL2/3949] - BSA and Azide free (A278253). |

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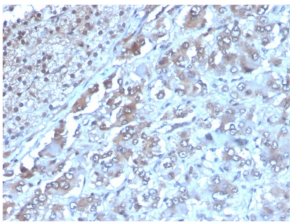
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

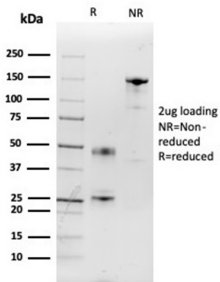
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma tissue using Anti-IL-2 Antibody [IL2/3949].



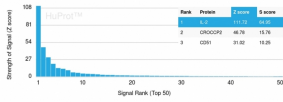
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human adrenal gland tissue using Anti-IL-2 Antibody [IL2/3949].



SDS-PAGE analysis of Anti-IL-2 Antibody [IL2/3949] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-IL-2 Antibody [IL2/3949]. Z-Score and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.