

Anti-IL2 Receptor alpha Antibody [IL2RA/2395] (A249018)

Specifications:

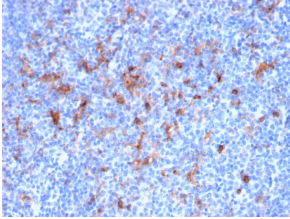
Name:	Anti-IL2 Receptor alpha Antibody [IL2RA/2395]
Description:	Mouse monoclonal [IL2RA/2395] antibody to IL2 Receptor alpha.
Specificity:	This antibody recognizes a protein of 55kDa, identified as CD25. It is expressed on activated T- and B-cells and activated monocytes/macrophages. With respect to lymphomas, CD25 is present on malignant cells of Hodgkins disease, HTLV-1+ adult T-cell leukemia, cutaneous T-cell lymphoma, and hair cell leukemia. Increased levels of soluble CD25 are observed in the leukemias/lymphomas and inflammatory/ autoimmune diseases. CD25 molecule alone appears to function as a low affinity receptor and associates with CD122 (IL-2R chain, p75) and CD132 (common chain) to form the high affinity IL-2 receptor complex. CD25 antibodies detect three epitope regions, A, B and C. This antibody recognizes the epitope B, which is located at residue 3-104 of CD25 and does not block IL-2 binding to CD25.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 2-4 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 42-183, of human IL2RA protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	IL2RA/2395
Isotype:	IgG2b
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-IL2 Receptor alpha Antibody [IL2RA/2395] - BSA and Azide free (A252198).

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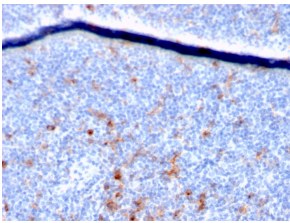
Specifications continued:

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

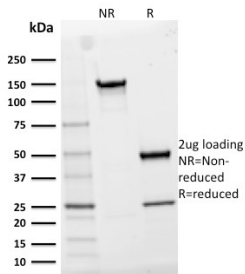
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-IL2 Receptor alpha Antibody [IL2RA/2395].



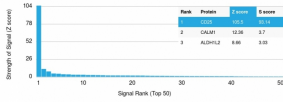
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-IL2 Receptor alpha Antibody [IL2RA/2395].



SDS-PAGE analysis of Anti-IL2 Receptor alpha Antibody [IL2RA/2395] 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-IL2 Receptor alpha Antibody [IL2RA/2395]. 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.