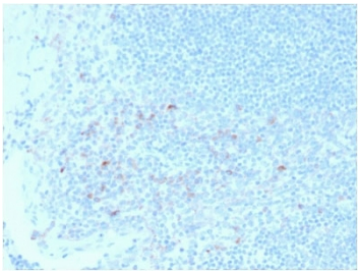
CD25 Antibody [clone IL2RA/2395] (V3849)

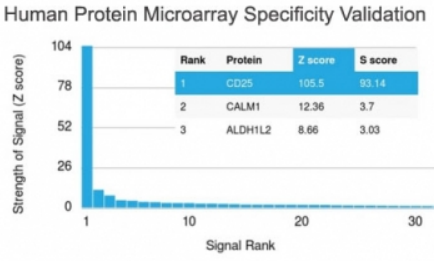
Catalog No.	Formulation	Size
V3849-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3849-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3849SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

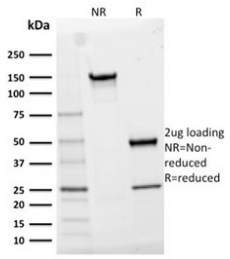
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	IL2RA/2395
Purity	Protein G affinity chromatography
UniProt	P01589
Localization	Cell surface, Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 min at RT
Limitations	This CD25 antibody is available for research use only.



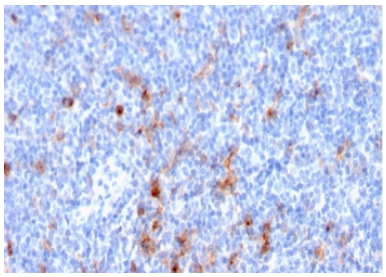
IHC testing of FFPE human tonsil tissue with CD25 antibody (clone IL2RA/2395). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD25 antibody (clone IL2RA/2395). These results demonstrate the foremost specificity of the IL2RA/2395 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.



SDS-PAGE analysis of purified, BSA-free CD25 antibody (clone IL2RA/2395) as confirmation of integrity and purity.



IHC testing of FFPE human tonsil tissue with CD25 antibody (clone IL2RA/2395). HIER: boil tissue sections in pH9 EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

Recognizes a protein of 55 kDa, 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 b-chain, p75) and CD132 (common g-chain) to form the high affinity IL-2 receptor complex. CD25 antibodies detect three epitope regions, A, B and C. This mAb recognizes the epitope B, which is located at residue 3-104 of CD25 and does not block IL-2 binding to CD25.

Application Notes

Optimal dilution of the CD25 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 42-183 was used as the immunogen for the CD25 antibody.

Storage

Store the CD25 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).