

## 36-2588: Anti-CD25 / IL2RA (Activated Lymphocyte Marker) Monoclonal Antibody(Clone: IL2RA/2395)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	IL2RA/2395
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	IL2RA
<b>Gene ID :</b>	3559
<b>Uniprot ID :</b>	P01589
<b>Alternative Name :</b>	IL2 Receptor alpha; IL2R alpha chain; IL2R; IL2R subunit alpha IL2RA; Interleukin-2 receptor subunit alpha; Ly43; p55; p55 chain; T Cell Growth Factor Receptor; TAC antigen; TCGFR
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	Recombinant fragment of human IL2RA protein (around aa 42-183) (exact sequence is proprietary)

### Description

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 Hodgkin's 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 MAb recognizes the epitope B, which is located at residue 3-104 of CD25 and does not block IL-2 binding to CD25.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)

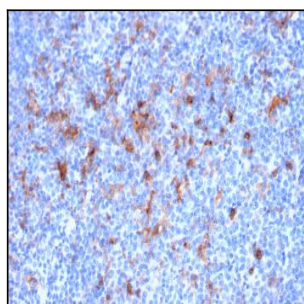


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD25 Mouse Monoclonal Antibody (IL2RA/2395).

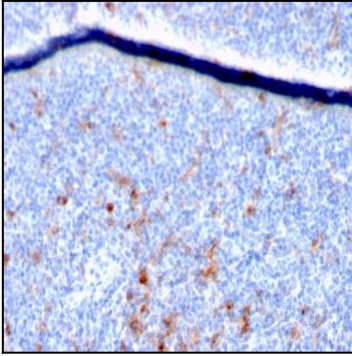


Fig. 2: Formalin-fixed, paraffin-embedded human Tonsil stained with CD25 Mouse Monoclonal Antibody (IL2RA/2395).

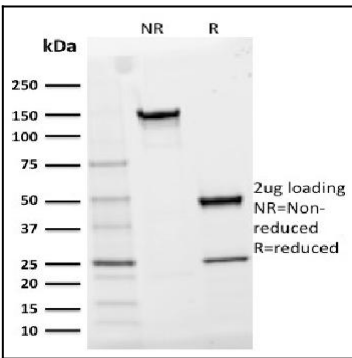


Fig. 3: SDS-PAGE Analysis Purified CD25 Mouse Monoclonal Antibody (IL2RA/2395). Confirmation of Purity and Integrity of Antibody.

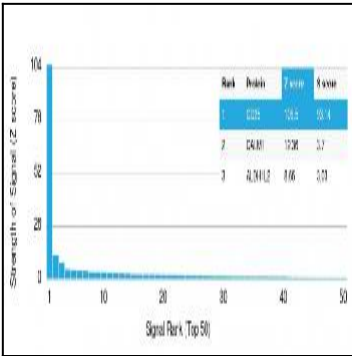


Fig. 4: Analysis of Protein Array containing >19,000 full-length human proteins using CD25 Mouse Monoclonal Antibody (IL2RA/2395) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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 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.