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# Datasheet for ABIN6939779 anti-CD25 antibody (AA 42-183)

4 Images



### Overview

Quantity:	100 µg
Target:	CD25 (IL2RA)
Binding Specificity:	AA 42-183
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD25 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

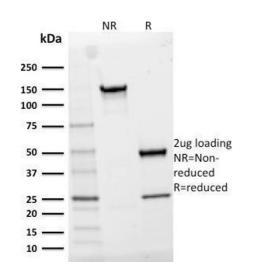
# Product Details

Immunogen:	Recombinant fragment of human IL2RA protein (around aa 42-183) (exact sequence is proprietary)
Clone:	IL2RA-2395
lsotype:	lgG2b kappa
Specificity:	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 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

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Product Details	
	three epitope regions, A, B and C. This MAb recognizes the epitope B, which is located at
	residue 3-104 of CD25 and doe not block IL-2 binding to CD25.
Purification:	Purified by Protein A/G
Target Details	
Target:	CD25 (IL2RA)
Alternative Name:	IL2RA (IL2RA Products)
Molecular Weight:	55kDa
Gene ID:	3559
UniProt:	P01589
Pathways:	JAK-STAT Signaling, Growth Factor Binding, Activated T Cell Proliferation
Application Details	
Application Notes:	Positive Control: PHA-stimulated human lymphocytes. Human lymph node or tonsil.
	Known Application: Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 minutes at
	RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a
	specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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. No MSDS required.
Expiry Date:	24 months

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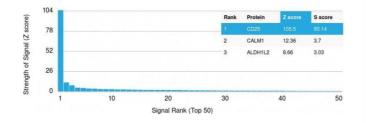


## SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD25 Mouse Monoclonal Antibody (IL2RA/2395). Confirmation of Purity and Integrity of Antibody.

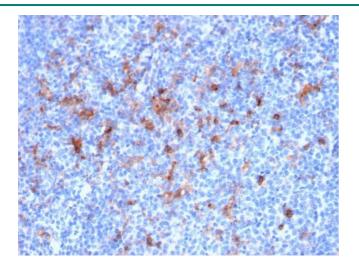
#### **Protein Array**

Image 2. Analysis of Protein Array containing >19,000 fulllength 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 HuProtTM 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 HuProtTM are arranged in descending order of the Zscore, 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.



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## Images



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Tonsil stained with CD25 Mouse Monoclonal Antibody (IL2RA/2395).

Please check the product details page for more images. Overall 4 images are available for ABIN6939779.