

# CD25 / IL2RA (Activated Lymphocyte Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone 143-13 ]

Catalog # AH11574

## Product Information

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<b>Application</b>	IF, FC
<b>Primary Accession</b>	<a href="#">P01589</a>
<b>Other Accession</b>	<a href="#">3559</a> , <a href="#">231367</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG1, kappa
<b>Clone Names</b>	143-13
<b>Calculated MW</b>	30819

## Additional Information

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<b>Gene ID</b>	3559
<b>Other Names</b>	Interleukin-2 receptor subunit alpha, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2-RA, TAC antigen, p55, CD25, IL2RA
<b>Application Note</b>	IF~~1:50~200 FC~~1:10~50
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	CD25 / IL2RA (Activated Lymphocyte Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	IL2RA
<b>Function</b>	Receptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.
<b>Cellular Location</b>	Membrane; Single-pass type I membrane protein.

## Background

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Recognizes a protein of 55kDa, identified as CD25 (Workshop IV; Code A27). CD25 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 hairy 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  $\beta$  chain, p75) and CD132 (common  $\gamma$  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 can effectively block IL-2 binding to CD25.

## References

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Knapp W. et al. Leucocyte typing IV, p. 408- 411 and p. 1080, Oxford University Press, Oxford 1989

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.