

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

Mouse Monoclonal Antibody [Clone IL2RA/423]

Catalog # AH11576

Product Information

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| Application | IF, FC |
| Primary Accession | P01589 |
| Other Accession | 3559 , 231367 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | Mouse / IgG2a, kappa |
| Clone Names | IL2RA/423 |
| Calculated MW | 30819 |

Additional Information

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| Gene ID | 3559 |
| Other Names | Interleukin-2 receptor subunit alpha, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2-RA, TAC antigen, p55, CD25, IL2RA |
| Application Note | IF~~1:50~200 FC~~1:10~50 |
| Storage | Store at 2 to 8°C.Antibody is stable for 24 months. |
| Precautions | 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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| Name | IL2RA |
| Function | 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. |
| Cellular Location | Membrane; Single-pass type I membrane protein. |

Background

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 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 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.

References

L.A. Rubin, et al, (1985) Hybridoma 4: 91-102. | B. Boutin, et al, (1989) Neuropediatrics 20: 202-206. | T.A. Waldmann, et al, (1989) Annu Rev Biochem 58: 875-911. | T.A. Waldmann, et al, (1995) Blood 86: 4063-4075. | Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 403-40

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