

CD25 Antibody [clone 143-13] (V2631)

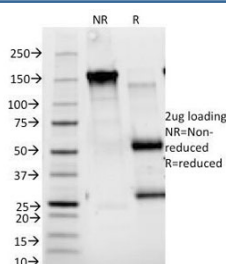
Catalog No.	Formulation	Size
V2631-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2631-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2631SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (7)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	143-13
Purity	Protein G affinity chromatography
UniProt	P01589
Localization	Cell surface, Cytoplasmic
Applications	Functional Studies (order BSA/sodium Azide-free Format) : Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This CD25 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD25 Antibody (clone 143-13). Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a protein of 55 kDa, 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 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 can effectively block IL-2 binding to CD25.

Application Notes

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

Immunogen

Stimulated human leukocytes were 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).