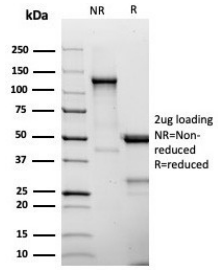
CD25 Antibody [clone IL2RA/4375R] (V4086)

Catalog No.	Formulation	Size
V4086-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4086-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4086SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	IL2RA/4375R
Purity	Protein A/G affinity
UniProt	P01589
Localization	Cell surface,
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This CD25 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD25 antibody (clone IL2RA/4375R) as confirmation of integrity and purity.

Description

CD25, or interleukin 2 (IL2) receptor alpha (IL2RA), and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (CD25) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble CD25 has been isolated and determined to result from extracellular proteolysis. CD25 (the p55 chain of the interleukin-2

receptor) is a marker of activation for a number of cell types, including T cells, B cells, and macrophages. It also appears to be a reliable immunohistochemical marker for the discrimination of neoplastic from normal/reactive mast cells, with potential as a diagnostic tool in systemic mastocytosis. CD25 is also expressed on hairy cell leukemia.

Application Notes

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

Immunogen

A recombinant partial protein (within amino acids 1-250) from the human protein was used as the immunogen for the CD25 antibody.

Storage

Aliquot the CD25 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.