

30-1428: Anti-CD25 / IL-2R alpha chain Monoclonal Antibody (Clone:PC61.5)(Discontinued)

Clonality :	Monoclonal
Clone Name :	PC61.5
Application :	FACS, IP, IHC-Fr, Functional Assay
Reactivity :	Mouse
Gene :	Il2ra
Gene ID :	16184
Uniprot ID :	P01590
Format :	Purified
Alternative Name :	Il2ra,Il2r
Isotype :	Rat IgG1
Immunogen Information :	B6.1 CTL cell line

Description

CD25 (IL2Ralpha, Tac) is a ligand-binding alpha subunit of interleukin 2 receptor (IL2R). Together with beta and gamma subunit CD25 constitutes the high affinity IL2R, whereas CD25 alone serves as the low affinity IL2R. CD25 expression rapidly increases upon T cell activation. The 55 kDa CD25 molecule is enzymatically cleaved and shed from the cell surface as a soluble 45 kDa s-Tac, whose concentration in serum can be used as a marker of T cell activation. Expression of CD25 indicates the neoplastic phenotype of mast cells. CD25+ CD4+ FoxP3+ regulatory cells (Treg cells) play a crucial role in the control of organ-specific autoimmune diseases.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry Immunoprecipitation Immunohistochemistry (frozen sections) Functional Application In vitro blocking of IL-2 binding to its receptor (CD25) and inhibition of IL-2 stimulated cell growth. In vivo depletion of CD25 positive cells.