

IL2RA

Mouse Anti-Human CD25 (Clone CD25-3G10) mAb, R-PE

Catalog No.	MON1190R	Quantity:	0.5 mL
Alternate Names:	Interleukin-2 receptor subunit alpha, IL-2R subunit alpha, TAC antigen, p55, CD25		
Description:	<p>CD25 is a cytokine that plays a role in the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2RA) is a heterotrimeric protein complex with a gamma chain also shared by interleukin 4 (IL4) and interleukin 7 (IL7). IL2RA, IL2R beta chain (IL2RB), and the IL2R gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric IL2RA chains result in low-affinity receptor, while homodimeric IL2RB chains produce a medium-affinity receptor. The expression of IL2 in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. IL2 is primarily produced by mature T cells. IL2 plays an important role as a growth factor, differentiation factor, and regulator of cell death. IL-2 stimulates the proliferation of B cells, augments natural killer cell activity, and inhibits granulocyte macrophage colony formation. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests a role in the immune response to antigenic stimuli. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency.</p>		
Concentration:	0.1 mg/ml		
UniProt ID:	P01589		
Host:	Mouse		
Immunogen:	Human CD25		
Isotype:	IgG1		
Clone:	CD25-3G10		
Conjugate:	R-phycoerythrin		
Formulation:	PBS containing 10% sucrose, 4 mg/ml BSA and 0.1% sodium azide.		
Applications:	Flow cytometry		
Storage & Stability:	Store at 2-8°C for up to 1 year. Protect from light.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

