

## IL2RA

### Mouse Anti-Human CD25 (Clone CD25-3G10) mAb, Tri-Color

<b>Catalog No.</b>	MON1190T	<b>Quantity:</b>	0.5 mL
<b>Alternate Names:</b>	Interleukin-2 receptor subunit alpha, IL-2R subunit alpha, TAC antigen, p55, CD25		
<b>Description:</b>	<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>		
<b>Concentration:</b>	0.2 mg/ml		
<b>UniProt ID:</b>	P01589		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Human CD25		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	CD25-3G10		
<b>Conjugate:</b>	Tri-color		
<b>Formulation:</b>	PBS containing 10% sucrose, 4 mg/ml BSA and 0.1% sodium azide.		
<b>Applications:</b>	Flow cytometry		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for up to 1 year. <b>Protect from light.</b>		

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