

## 30-1123: Anti-CD25 / IL-2R alpha chain Monoclonal Antibody (Clone:MEM-181)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-181
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	IL2RA
<b>Gene ID :</b>	3559
<b>Uniprot ID :</b>	P01589
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IL2RA
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	PHA-activated peripheral blood leucocytes

### Description

CD25 (IL2R $\alpha$ , 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. Humanized anti CD25 antibodies represent a useful tool to reduce the incidence of allograft rejection as well as the severity of graft versus host reaction, and radioimmunoconjugates of anti-CD25 antibodies can be used against CD25 expressing lymphomas.

### Product Info

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

### Application Note

Flow cytometry: Recommended dilution: 1-5  $\mu$ g/ml.