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30-1870: Anti-CD25 / IL-2R alpha chain Monoclonal Antibody (Clone:MEM-140)-Biotin Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-140
Application :	IP, FACS
Reactivity :	Human
Conjugate :	Biotin
Gene :	IL2RA
Gene ID :	3559
Uniprot ID :	P01589
Alternative Name :	IL2RA
Isotype :	Mouse IgM
Immunogen Information :	PHA-activated peripheral blood leucocytes

Description

CD25 (IL2Ralpha, Tac) is a ligand-binding alpha subunit of interleukin 2 receptor (IL2R). Together with beta and gamma subunit CD25 constitues 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

Amount :	0.1 mg
Storage condition :	Store at 2-8°C. Do not freeze.

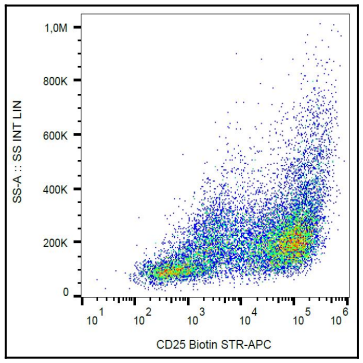


Figure 1: Surface staining of CD25 in PHA activated PBMC with anti-CD25 (MEM-140) biotin, streptavidin-APC.

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