

30-2463: Anti-CD25 / IL-2R alpha chain Monoclonal Antibody (Clone:MEM-181)-PE/DyLight Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-181
Application :	FACS
Reactivity :	Human
Gene :	IL2RA
Gene ID :	3559
Uniprot ID :	P01589
Alternative Name :	IL2RA
Isotype :	Mouse IgG1
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 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

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

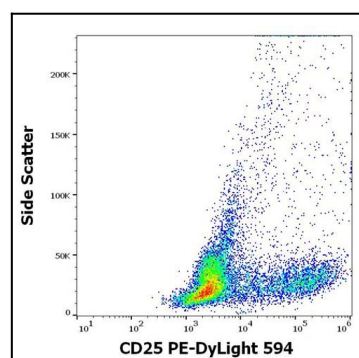


Figure 1: Flow cytometry surface staining pattern of human PHA stimulated peripheral whole blood stained using anti-human CD25 (MEM-181) PE-DyLight 594 antibody (4 μ l reagent per milion cells in 100 μ l of cell suspension).

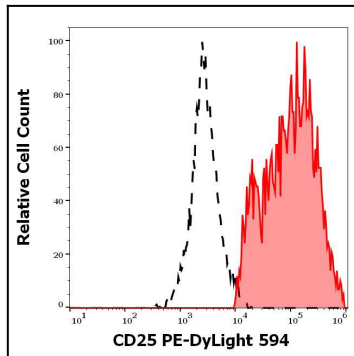


Figure 2: Separation of human CD25 positive leukocytes (red-filled) from CD25 negative leukocytes (black-dashed) in flow cytometry analysis (surface staining) of human PHA stimulated peripheral whole blood stained using anti-human CD25 (MEM-181) PE-DyLight 594 antibody (4 μ l reagent per million cells in 100 μ l of cell suspension).