

30-1946: Anti-CD25 / IL-2R alpha chain Monoclonal Antibody (Clone:MEM-181)-FITC Conjugated

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| Clonality : | Monoclonal |
| Clone Name : | MEM-181 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | FITC |
| 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

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

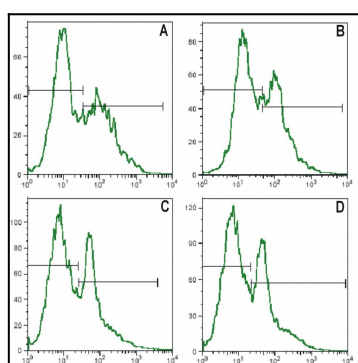


Figure 1: Surface staining of human PBMC with anti-human CD25 (MEM-181) FITC. The mononuclear cells were isolated from human peripheral blood, divided in aliquots for duplicate analysis and stimulated with PHA for 2 days. Panel A, C – staining with anti-human CD25 (MEM-181) Panel B, D – staining with a standard anti-CD25 monoclonal antibody