

## APC-Cy7 Mouse Anti-Human CD25

Purified APC-Cy7-conjugated Recombinant Mouse Monoclonal Antibody

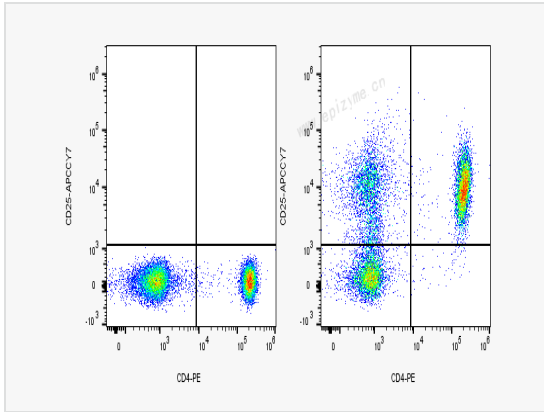
Catalog # F100719

### Product Information

Application	FC
Recommended Usage	5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood.
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone No.	84R97B13
Isotype	IgG1, $\kappa$
Label	APC-CY7 (Ex/Em: 651/779 nm)
Immunogen	Recombinant protein of human CD25
Format	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.
Storage	Shipped on wet ice. Store undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze.
Precautions	APC-Cy7 Mouse Anti-Human CD25 [84R97B13] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Interleukin 2 receptor alpha chain; CD25; CD25 antigen; IDDM10; IL 2 receptor alpha subunit; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2 RA; IL2 Receptor alpha; IL2-RA; IL2R; IL2R; alpha chain; IL2RA; IL2RA_HUMAN; IMD41; Interleukin 2 receptor alpha; Interleukin 2 receptor; Interleukin-2 receptor subunit alpha; p55; t-cell growth factor receptor; TAC; TAC antigen; TCGFR.
Uniprot ID	P01589
Gene ID	3559
Background	CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor $\alpha$ chain or Tac. It is expressed on progenitor lymphocytes, activated T and B cells, and activated monocytes/macrophages. CD25 is also expressed on a subset of non-stimulated CD4+ T cells termed T regulatory cells. CD25 associates with the IL-2 receptor $\beta$ (CD122) and common $\gamma$ chains (CD132) to form the high affinity IL-2R complex.
Cellular Location	Membrane.



Typical flow-cytometry plots of human peripheral-blood leukocytes stained with anti-CD4-PE (F100208) and anti-CD25-APC-Cy7 (F100719) (right) or with anti-CD4-PE (F100208) alone as a control (left).