

Monoclonal Antibody to CD25 / IL2RA - PE

Alternate names:	IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, Interleukin-2 receptor alpha chain, TAC antigen, p55
Catalog No.:	SM265R
Quantity:	100 Tests
Background:	The Interleukin 2 Receptor alpha and beta chains, together with the common gamma chain, constitute the high affinity IL2 receptor present on activated T and B cells, thymocyte subset, pre B cells and T regulatory cells. Homodimeric alpha chains result in low affinity receptor, while homodimeric beta chains produce a medium affinity receptor. Normally an integral membrane protein, soluble IL2 Receptor alpha has been isolated and determined to result from extracellular proteolysis. Alternately spliced IL2 Receptor alpha mRNAs have been isolated, but the significance of each is presently unknown.
Uniprot ID:	P26897
NCBI:	NP_037295.1
GeneID:	25704
Host / Isotype:	Mouse / IgG1
Clone:	OX-39
Immunogen:	Con A stimulated Rat T cells.
Format:	State: Lyophilised Purification: Protein G purified immunoglobulin fraction Buffer System: PBS pH 7.4 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin Reconstitution: Reconstitute with 1 ml distilled water.
Applications:	Flow Cytometry: use 10 µl of neat antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes the alpha chain of rat CD25, otherwise know as IL-2 receptor alpha, a 55kDa type I membrane glycoprotein, expressed by activated T cells but not resting lymphocytes. CD25 is also expressed by dendritic cells found in the thymus medulla. This clone has been described reacting with paraffin-embedded material following PLP fixation (periodate-lysine-paraformaldehyde). Clone OX-39 has been shown to weakly inhibit the binding of IL-2 to Con-A stimulated spleen blasts (1). Species: Rat. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

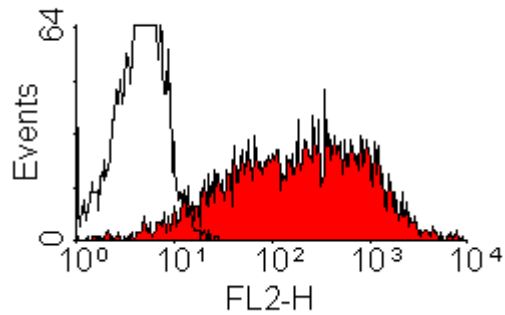
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage: Store at 2-8°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: 12 months from despatch.

General References: 1. Paterson, D.J., Jefferies, W.A., Branson, M., Cortese, P., Puklavec, M., Williams, A.F. and Green, J.R. (1987). Antigens of Activated Rat T Lymphocytes including a molecule of 50,000 Mr, detected only on CD4 positive T Blasts. Mol. Immunol. 24: 1281-1290.

Pictures:



SM265R staining of ConA activated rat splenic lymphocytes

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com