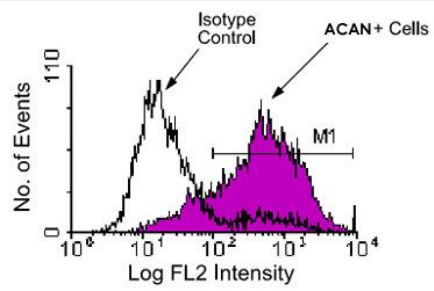
Il2ra monoclonal antibody, clone 7D4 (APC)

Catalog # MAB5706 Size 100 ug

Applications



Flow Cytometry

Cells from BALB/c spleen were activated by PMA (10 ng/mL) and ionomycin (400 ng/mL) for 48 hours, then stained with Il2ra monoclonal antibody, clone 7D4 (FITC) (Cat # MAB5703) and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Rat monoclonal antibody raised against Il2ra.
Immunogen	IL-2-dependent BALB/c mouse helper T-cell clone HT-2.
Host	Rat
Reactivity	Mouse
Specificity	Low affinity alpha chain IL-2 receptor (IL-2Ralpha), Mr 55 KDa.
Form	Liquid
Conjugation	APC
Isotype	IgM, kappa
Recommend Usage	Flow Cytometry (0.2 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

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- Immunoprecipitation

Gene Info — Il2ra

Entrez GeneID	16184
Gene Name	Il2ra
Gene Alias	CD25, Il2r, Ly-43, MGC130561
Gene Description	interleukin 2 receptor, alpha chain
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	IL-2R alpha chain|OTTMUSP00000012002|p55 chain

Publication Reference

- Molecular cloning and expression of cDNAs for the human interleukin-2 receptor.

  Leonard WJ, Depper JM, Crabtree GR, Rudikoff S, Pumphrey J, Robb RJ, Kronke M, Svetlik PB, Peffer NJ, Waldmann TA, et al..

  Nature 1984 Oct; 311(5987):626.

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- The murine IL 2 receptor. I. Monoclonal antibodies that define distinct functional epitopes on activated T cells and react with activated B cells.

  Ortega G, Robb RJ, Shevach EM, Malek TR.

  Journal of Immunology 1984 Oct; 133(4):1970.

  Application: Flow Cyt, Func, Mouse, HT2 cells

- Identification and initial characterization of a rat monoclonal antibody reactive with the murine interleukin 2 receptor-ligand complex.

  Malek TR, Robb RJ, Shevach EM.

  PNAS 1983 Sep; 80(18):5694.

  Application: Flow Cyt, Mouse, Mouse lymphocytes

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