

Monoclonal Antibody to CD30 - FITC

Alternate names:	CD30L receptor, D1S166E, KI-1 antigen, Lymphocyte activation antigen CD30, TNFRSF8, Tumor necrosis factor receptor superfamily member 8
Catalog No.:	AM08039FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	CD30 is a type I transmembrane protein and a member of the tumor necrosis factor receptor superfamily of proteins. (Ref.1,2) Murine CD30 is expressed predominantly in the thymus, and it is inducible in mouse splenocytes stimulated with pokeweed mitogen or concanavalin A. (Ref.1) In anti-CD3e-activated spleen cells, CD30 is expressed primarily on the surface of CD8+ T cells with peak expression on days 4 and 5. Stimulation of CD30+ CTL lines with plate-bound anti-CD30 directly signals IL-5 but not IFN-gamma production. (Ref.1) While these studies demonstrate that CD30 directs cytokine secretion and suggest that CD30 may play a pivotal role in the pattern of cytokine production by T cells, the precise roles of CD30 and its ligand (CD153) in T-cell development have not been clearly defined.
Uniprot ID:	Q60846
NCBI:	NP_033427.1
GeneID:	21941
Host / Isotype:	Hamster / IgG
Clone:	mCD30.1
Immunogen:	Recombinant mouse CD30 extracellular domain-mouse IgG1 fusion protein. (Ref.1)
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / 3 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to Murine CD30, Mr 52 kDa (core peptide). Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bowen, M.A., R.K. Lee, G. Miragliotta, S.Y. Nam, and E.R. Podack. 1996. J. Immunol. 156:442.

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



2. Falini, B., et al. 1995. Blood 85:1.
3. Shanebeck, K. D., et al. 1995. Eur. J. Immunol. 25:2147.

Pictures:

Immunofluorescent Staining: The YAC-1 cell line was stained with hamster antimouse CD30-FITC. Large cells were gated and analyzed by flow cytometry. Amount Used: 3 µg/10e6 cells.

