

Monoclonal Antibody to CD1a - FITC

Alternate names:	T-cell surface antigen T6/Leu-6, T-cell surface glycoprotein CD1a, T6/Leu-6, hTa1, hTa1 thymocyte antigen
Catalog No.:	SM3086F
Quantity:	100 Tests
Background:	CD1a, together with CD1b and c, belongs to group 1 of CD1 glycoproteins. These proteins serve as antigen-presenting molecules for a subset of T cells that responds to specific lipids and glycolipids found in the cell walls of bacterial pathogens or self-glycolipid antigens such as gangliosides, and they have also roles in antiviral immunity. Unlike CD1b, CD1a is excluded from late endosomal compartments and instead traffics independently in the recycling pathway of the early endocytic system, and CD1a antigen presentation is independent upon vesicular acidification.
Uniprot ID:	P06126
NCBI:	9606
Host / Isotype:	Mouse / IgG1
Clone:	HI149
Immunogen:	Human thymocytes
Format:	State: Liquid purified Ig fraction Buffer System: Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent. Label: FITC – Fluorescein isothiocyanate under optimum conditions. The reagent is free of unconjugated and adjusted for direct use
Applications:	Flow Cytometry analysis of human cells using 20 µl reagent / 100 ml of whole blood or 10e6 cells in a suspension. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody reacts with CD1a (T6), a 49 KDa polypeptide associated with, b2-microglobulin expressed on cortical thymocytes (strongly), Langerhans cells, dendritic cells and some T cell leukemias and lymphomas. The antibody does not react with peripheral blood T and B lymphocytes, monocytes, granulocytes, platelets and erythrocytes. Species: Human. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

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

- General References:**
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