

Monoclonal Antibody to CD103 - FITC

Alternate names: HML-1 antigen, ITGAE, Integrin alpha-E, Integrin alpha-IEL, Mucosal lymphocyte 1 antigen

Catalog No.: AM05205FC-N

Quantity: 100 Tests

Concentration: Lot specific

Background: The CD103 antigen is a 160-130-105 kDa molecule which is expressed on mucosa-associated T lymphocytes and activated cells and on subset of TGF beta -1 cells. This human intra epithelial lymphocyte marker is the E integrin chain associated with the b7 subunit. CD103 antibody stains a few bone marrow cells and, rarely, peripheral blood lymphocytes. CD103 is expressed by 0.5 to 2% of resting lymphocytes in Peripheral blood and lymphoid organs.

Uniprot ID: [P38570](#)

NCBI: [NP_002199.3](#)

GeneID: [3682](#)

Host / Isotype: Mouse / IgG1

Clone: AX.14

Format: **State:** Liquid purified IgG fraction.
Buffer System: PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative.
Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications: Flow Cytometry.
Monitoring of Mucosa-associated T Lymphocytes.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody reacts with Intestinal Lymphocytes (HML-1).
Species: Human.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
This product is photosensitive and should be protected from light.
Shelf life: One year from despatch.

General Readings: 1. Cepek K., Wong D. Brenner M., and Springer T., Leukocyte Typing V val. G p 1666-67 (1995).

Protocols: **PBMC:**
Add 10 µl of MAB/10e6 PBMC in 100 µl PBS.
Mix gently and incubate for 15 minutes at 2-8°C.

Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.

WHOLE BLOOD:

Add 10 µl of MAB/100 µl of whole blood.

Mix gently and incubate for 15 minutes at room temperature (20°C).

Lyse the whole blood.

Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.

See instrument manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

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