

## Monoclonal Antibody to CD103 - PE

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

**Catalog No.:** AM05205RP-N

**Quantity:** 100 Tests

**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:** PE

**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!**

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 ul of MAB/10e6 PBMC in 100 ul 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 ul of MAB/100 ul 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](http://www.acris-antibodies.com) or on request.

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