



CD103

Product Anti-human Intestinal Lymphocytes (HML-1) monoclonal antibody.

Description 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.

Isotype Mouse IgG1 kappa.

Clone AX.14

Applications Monitoring of mucosa-associated T lymphocytes.

Use PBMC: Add 10 μ l of MAB/10⁶ PBMC in 100 μ l PBS. Mix gently and incubate for 15 minutes at 2° to 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 μ l of MAB/100 μ l 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. ALLOPHYCOCYANIN: (APC) conjugates are analyzed in multi-color flow cytometry with instruments equipped with a second laser and proper filters. Laser excitation is at 633 nm with a Helium Neon (HeNe) laser or a 600-640 nm (633 nm) range for a Dye laser. Peak fluorescence emission is at 660 nm.

Storage Unconjugated antibodies supplied as a solution PBS and 0.08% sodium azide and should be stored at -20°C (see label for concentration). Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8°C. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information	Form	Vial Size	Catalog #
	Unconjugated	100 μ g	1031
	FITC	100 Test	1032
	PE	100 Test	1034

REFERENCES:

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

For research use only. Not for use in human diagnostics or therapeutics.