

Product datasheet for **AM05205FC-N**

Integrin alpha E (ITGAE) Mouse Monoclonal Antibody [Clone ID: AX.14]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AX.14
Applications:	FC
Recommended Dilution:	Flow Cytometry. Monitoring of Mucosa-associated T Lymphocytes.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts with Intestinal Lymphocytes (HML-1).
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: One year from despatch.
Gene Name:	integrin subunit alpha E
Database Link:	Entrez Gene 3682 Human P38570
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.



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Synonyms: Integrin alpha-E, Integrin alpha-IEL, HML-1 antigen, ITGAE

Note: Protocol: **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.