

1P-670-T025

Monoclonal Antibody to CD103 Phycoerythrin (PE) conjugated (25 tests)

Clone: Ber-ACT8

Isotype: Mouse IqG1

Specificity: The mouse monoclonal antibody Ber-ACT8 recognizes CD103 (alpha E integrin), a

type I transmembrane glycoprotein primarily found on intestinal intraepithelial

lymphocytes.

HLDA V; WS Code A067

Regulatory Status: RUO

Immunogen: HTLV-1 induced human T cell line MAPS16

Species Reactivity: Human, Non-Human Primates

Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using

10 µl reagent / 100 µl of whole blood or 10° cells in a suspension.

The content of a vial (0.25 ml) is sufficient for 25 tests.

Expiration: See vial label

Lot Number: See vial label

Background: CD103 / Integrin alphaE is an integrin subunit that is expressed on intraepithelial

lymphocytes, epithelial dendritic cells, lamina propria-derived dendritic cells, a subpopulation of lamina propria T cells, a small subset of peripheral lymphocytes, namely T reg cells, and on activated and TGF-beta stimulated lymphocytes. CD103 is in mature form cleaved into two disulfide-linked chains (C-terminal 150 kDa chain and N-terminal 25 kDa chain). It heterodimerizes with integrin beta7 subunit to form alphaE/beta7 integrin (mucosal lymphocyte 1 antigen), which through binding E-cadherin mediates homing of lymphocytes to the intestinal epithelium, and, in addition to the role in adhesion, may serve as an accessory

molecule for intraepithelial lymphocyte activation.



PRODUCT DATA SHEET

References:

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*And other.

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