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30-1793: APC Conjugated, Anti-CD103 / Integrin alpha E Monoclonal Antibody (Clone:Ber-ACT8)

Clonality: Monoclonal **Clone Name:** Ber-ACT8 FACS Application: Reactivity: Human Conjugate: APC Gene: ITGAE Gene ID: 3682 **Uniprot ID:** P38570 **Alternative Name: ITGAE** Isotype: Mouse IgG1

Immunogen Information: HTLV-1 induced human T cell line MAPS16

Description

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 Info

Amount: 100 tests

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

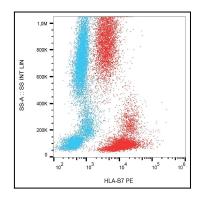


Figure 1: Surface staining of CD103 on human peripheral blood cells with anti-CD103 (Ber-ACT8) APC.