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## 30-1476: Anti-CD103 / Integrin alpha E Monoclonal Antibody (Clone:Ber-ACT8)

Clonality: Monoclonal Clone Name: Ber-ACT8

**Application :** FACS, IP, WB, IHC-Fr

**Reactivity:** Human, Non-Human Primates

Gene : ITGAE
Gene ID : 3682
Uniprot ID : P38570
Format : Purified
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: 0.1 mg

**Purification:** Purified by protein-A affinity chromatography

**Storage condition :** Store at 2-8°C. Do not freeze.