

Manufacturer/Supplier:

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Product name: AF/LE Purified Anti-Mouse CD103 Monoclonal
Antibody

Catalog: DL21006F

Synonyms: Integrin alpha-E, Itgae, Integrin alpha M290, CD103

Background: CD103 is a type I transmembrane glycoprotein known as α E integrin or Integrin α IEL chain. It belongs to the integrin family and is primarily found on intestinal intraepithelial lymphocytes (IEL). CD103 is also expressed on a subpopulation of lamina propria T cells, epithelial dendritic cells, lamina propria-derived dendritic cells, and a small subset of peripheral lymphocytes. T regulatory cells express high level of CD103. The CD103 expression on lymphocytes can be induced upon activation and TGF- β stimulation. In association with integrin β 7,

CD103 is expressed as α E/ β 7 heterodimer. Mature CD103 protein can be cleaved into 2 chains, a 150 kD (C-terminal) chain and a 25 kD (N-terminal) chain, which remain linked by disulfide bonds. CD103 binds to E-cadherin and mediates homing of lymphocytes to the intestinal epithelium.

Form: Liquid

Isotype: Rat IgG2a, κ

Size: 50 μ g/500 μ g/1mg

Host: Rat

Reactivity: Mouse

Application: FCM,IHC,Block

Concentration: 0.5 mg/mL

Conjugation: None (Purified antibody,Azide Free/Low endotoxin)

SwissProt: Q60677

Buffer: 0.2 μ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of

this reagent is $\leq 2.0 \mu\text{g}$ per 10^6 cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Storage:

Keep as concentrated solution.

Store at $2\sim 8^{\circ}\text{C}$. Do not freeze.

This product is guaranteed up to one year from purchase.