

Manufacturer/Supplier:

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Product name: Anti-Mouse CD103 Monoclonal
Antibody(PerCP/Cyanine5.5 Conjugated)

Catalog: DL21016F

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 $\alpha E/\beta 7$ 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: 20 Tests/50 Tests/100 Tests/200 Tests

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration:

Conjugation: PerCP/Cyanine5.5

SwissProt: Q60677

Buffer: PBS with 0.05% Proclin300, 1% BSA

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the

appropriate dilutions must be determined for individual use.

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD103 Monoclonal Antibody(PerCP-Cy5.5 Conjugated) and Anti-Mouse CD3 Monoclonal Antibody(AF488 Conjugated)(left). Splenocytes stained with Anti-Mouse CD3 Monoclonal Antibody(AF488 Conjugated) (right) are used as control.

Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.