Purified Anti-Mouse CD103 Antibody[M290]

catalog number: **E-AB-F1090A**

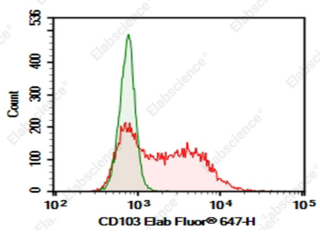
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD103 protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	M290
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Mouse CD103 gene were stained with 0.2 μg AF/LE Purified Anti-Mouse CD103 Antibody[M290] (Right) and 0.2 μg Rat IgG1, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD103 is the alpha E integrin, which forms a heterodimer with integrin beta 7. The heterodimer complex binds to E-cadherin. It is expressed in on T cells, notably in subpopulations in the lamina propria, on regulatory T cells, or resident memory T cells, and a subset of dendritic cells in gut mucosa. CD103 is thought to be involved with homing to intestinal epithelial sites and has been associated with high levels of TGF-beta presence.

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