Purified Anti-Mouse CD103 Antibody[M290], Functional Grade

catalog number: **E-AB-F10900**

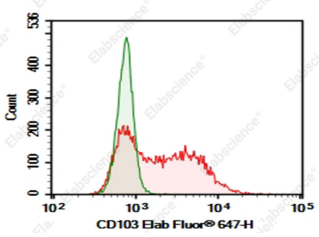
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

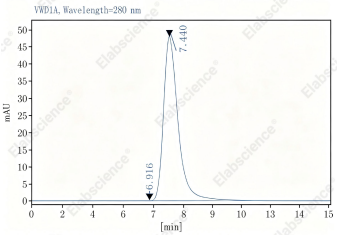
Reactivity	Mouse
Immunogen	Recombinant Mouse CD103 protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	M290
Purification	> 98%, Protein A/G purified, ≥ 95% monomer by analytical SEC
Endotoxin	< 1 EU/mg determined by LAL assay
Conjugation	Unconjugated
Buffer	Sterile PBS, pH 7.2. Contains no stabilizers or preservatives

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume
Neut	Reported in the literature

Data



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



Monomer purity ≥95% as determined by analytical size-exclusion chromatography (SEC)

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
Shipping	Ice bag

Background

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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.

None (Azide-Free,Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

Application References

Ilkka Liikanen, et al. J Clin Invest. 2021 Apr 1;131(7):e143729.