



Product Datasheet

Low Endotoxin Purified Anti-Mouse CD103 Antibody [M290]

Catalogue Code: AGEL2177

Antibody Data

Product SKU:	AGEL2177	Clone:	M290
Applications:	FCM;Block		
Reactivity:	Mouse		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names:	Integrin alpha-E;Itgae;Integrin alpha M290;CD103;
Uniprot ID:	Q60677
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
Conjugation:	None (AF/LE)
Size:	50 μ g, 500 μ g, 1mg
Host Species:	Rat
Isotype:	Rat IgG2a, κ
Isotype Control:	AF/LE Purified Rat IgG2a, κ Isotype Control[2A3] [Product AGEL2177]
Storage Buffer:	0.2 μ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
Shipping:	Biological ice pack at 4 $^{\circ}$ C

Stability & Storage: Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

Recommended Usage: 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 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.