Product Datasheet

GenieFluor 647 Anti-Mouse CD103 Antibody [M290]

Catalogue Code: AGEL1162

Antibody Data

Product SKU:	**AGEL1162**	**Clone:**	**M290**
Applications:	**FCM**		
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 αE integrin or Integrin αIEL 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 β7, CD103 is expressed as αE/β7 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.

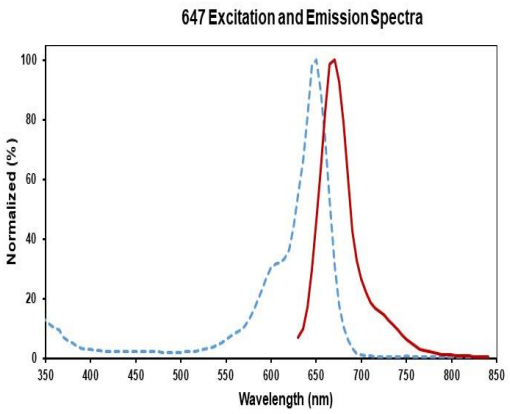
Form: Liquid

Conjugation: Genie Fluor647

Size: 25µg, 100µg

Host Species: Rat

Isotype: Rat IgG2a, κ



Isotype Control: Genie Fluor 647 Rat IgG2a, κ Isotype Control[2A3] [Product AGEL1162]

Storage Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping: Biological ice pack at 4℃

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. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/106 cells in 100 µL volume].