Medaysis
Enable Innovation

DATA SHEET

Mouse Anti-CD103/Integrin alpha E [ITGAE/2063]: MC0260, MC0260RTU7

Intended Use: For Research Use Only

Description: CD103, also known as integrin alpha E (ITGAE), is an integrin protein that in humans is encoded by the ITGAE gene. It binds integrin beta 7 to form the complete heterodimeric molecular αEβ7 that binds to an extracellular matrix component and cellular counter receptor. They mediate cell adhesion, migration and signaling and are important for T lymphocyte localization. CD103 is expressed on intraepithelial lymphocytes in mucosal areas, including lung and GI tract. In malignancies, CD103 is present on all enteropathy-type T-cell lymphomas. Additionally, CD103 has been a useful marker for hairy cell leukemia.

Specifications:

Clone:	ITGAE/2063
Source:	Mouse
Isotype:	IgG2c/k
Reactivity:	Human
Immunogen:	Recombinant human ITGAE protein fragment
Localization:	Membrane, cytoplasm
Formulation:	Purified ascites in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

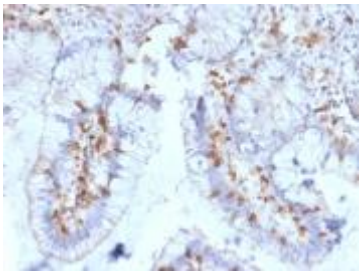
Package:

Description	Catalog No.	Size
CD103/Integrin alpha E Concentrated	MC0260	1 ml
CD103/Integrin alpha E Prediluted	MC0260RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Hairy cell leukemia
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human small intestine stained with anti-CD103 using DAB

References:

1. Fetal CD103+ IL-17-Producing Group 3 Innate Lymphoid Cells Represent the Dominant Lymphocyte Subset in Human Amniotic Fluid. Marquardt N, et al. J Immunol 197:3069-3075, 2016.
2. Tumor-infiltrating lymphocytes expressing the tissue resident memory marker CD103 are associated with increased survival in high-grade serous ovarian cancer. Webb JR, et al. Clin Cancer Res 20:434-44, 2014.
3. Immunohistochemical detection of hairy cell leukemia in paraffin sections using a highly effective CD103 rabbit monoclonal antibody. Morgan EA, et al. Am J Clin Pathol 139:220-30, 2013.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com