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DATA SHEET

Mouse Anti-CD106/VCAM1 [1.4C3]: MC0641, MC0641RTU7

Intended Use: For Research Use Only

Description: This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of artherosclerosis and rheumatoid arthritis. Two alternatively spliced transcripts encoding different isoforms have been described for this gene. Tissue specificity: Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.INVITROGEN: CD106 is expressed on bone marrow stromal cells, myeloid cells, and endothelial cells.

Specifications:

Clone:	1.4C3
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF, WB

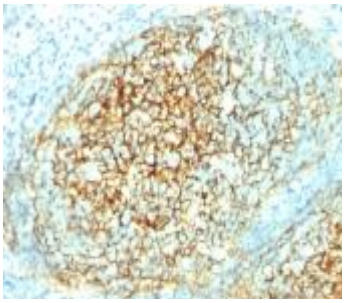
Package:

Description	Catalog No.	Size
CD106/VCAM1 Concentrated	MC0641	1 ml
CD106/VCAM1 Prediluted	MC0641RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Lung cancer, colon cancer
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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 tonsil stained with anti-CD106 using DAB

References:

1. Empagliflozin rescues diabetic myocardial microvascular injury via AMPK-mediated inhibition of mitochondrial fission. Zhou H, et al. Redox Biol 15:335-346, 2017.
2. Alteration of Gut Microbiota and Inflammatory Cytokine/Chemokine Profiles in 5-Fluorouracil Induced Intestinal Mucositis. Li HL, et al. Front Cell Infect Microbiol 7:455, 2017.
3. Follicular Stimulating Hormone Accelerates Atherogenesis by Increasing Endothelial VCAM-1 Expression. Li X, et al. Theranostics 7:4671-4688, 2017.
4. Nkx2-5 Is Expressed in Atherosclerotic Plaques and Attenuates Development of Atherosclerosis in Apolipoprotein E-Deficient Mice. Du M, et al. J Am Heart Assoc 5:N/A, 2016.

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