

Mouse Anti-CD11c [ITGAX/1284]: MC0150, MC0150RTU7

Intended Use: For Research Use Only

Description: CD11c (ITGAX), a member of the leukointegrin family, shares the same beta subunit with other members of the leukocyte adhesion molecule family, which includes CD11a (LFA-1), CD11b (MAC-1) and CD11d (ITGAD), but has a unique alpha chain. CD11c has been shown to play a role in phagocytosis, cell migration, and cytokine production by monocytes/macrophages as well as induction of T cell proliferation by Langerhans cells. CD11c is expressed prominently on the plasma membranes of monocytes, tissue macrophages, NK cells, and most dendritic cells (DCs). A lower level of expression is also observed on neutrophils as a result of its high level of expression on most DCs. An antibody to CD11c may aid in identification of lesions with histiocytic origin. It may also been used as a marker for hairy cell leukemia in paraffin embedded tissues.

Specifications:

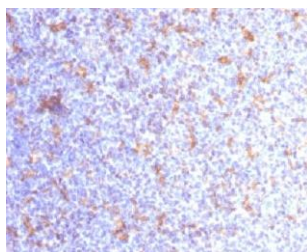
Clone: ITGAX/1284
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Localization: Cytoplasm, membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF
 Package:

Description	Catalog No.	Size
CD11c Concentrated	MC0150	1 ml
CD11c Prediluted	MC0150RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Dendritic cells. lymph nodes and tonsils
 Concentrated Dilution: 50-100
 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 tonsil stained with anti-CD11c using DAB

References:

1. Evidence for progressive reduction and loss of telocytes in the dermal cellular network of systemic sclerosis. Manetti M, et al. J Cell Mol Med 17:482-96, 2013.
2. Fms-like tyrosine kinase 3 ligand controls formation of regulatory T cells in autoimmune arthritis. Svensson MN, et al. PLoS One 8:e54884, 2013.
3. Inhibition of dendritic cell maturation by the tumor microenvironment correlates with the survival of colorectal cancer patients following bevacizumab treatment. Michielsen AJ, et al. Mol Cancer Ther 11:1829-37, 2012.
4. Coronary atherosclerosis is associated with macrophage polarization in epicardial adipose tissue. Hirata Y, et al. J Am Coll Cardiol 58:248-55, 2011.
5. CD11c gene expression in hairy cell leukemia is dependent upon activation of the proto-oncogenes Ras and JunD. Nicolaou, F., et al. Blood 101: 4033-4041, 2003.

Doc. 100-MC0150
Rev. A