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DATA SHEET

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

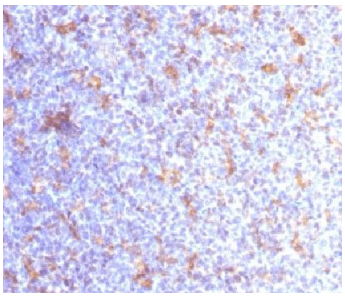
Package:

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 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-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.

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