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Anti-CD11c, mouse monoclonal (BS116)

BSH-2016-100 (0,1ml), BSH-2016-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS116
Application:	IHC
Species Reactivity:	Human
Control tissues:	Appendix, tonsil
Alias names:	Integrin alpha X, ITGAX
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

Description

CD11c is cell surface transmembrane receptor which is mostly expressed on granulocytes, macrophages, monocytes, NK-cells, and some of T- and B-lymphocytes. CD11c is useful especially for diagnosis of hairy cell leukemia (HCL). CD11c can be offer great value for detection panel of HCL with DBA.44, CD103 and other HCL markers.

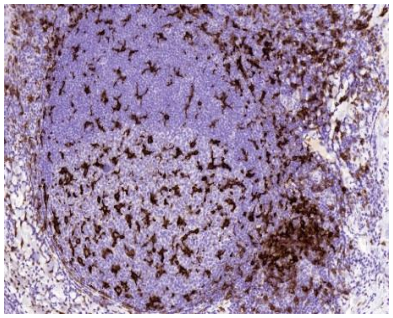
Protocol

After paraffin removing and rehydration:

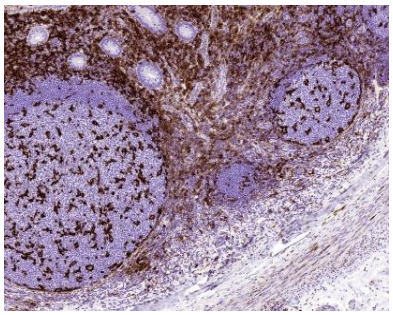
1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: CD11c 1:200 - 1:400, 30 min.
4. Wash
5. 3% H_2O_2, 10 min.*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10007), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. $CuSO_4$ -post enhancement, 5 min
13. Aqua
14. Counter staining in diluted Mayer, 1 min
15. Bluing, 7 min in tap water
16. Dehydration, clearing and mounting

Dilution of this concentrated antibody depends on the detection system used and the final working dilution need to always be determined by the user.

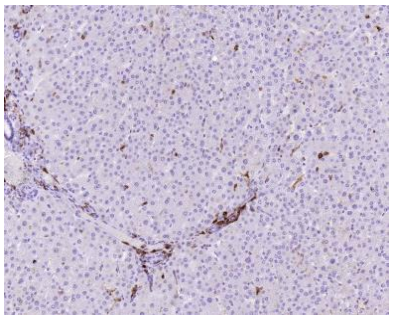
* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.



a)



b)



c)

CD11c stained tissue sections. Tonsil (a), appendix (b) and liver sections (c) have been stained using CD11c optibody (Clone: BS116) with 1:200 dilution. Especially macrophages have strong membranous label in tonsil (a) as well as in appendix (b). Follicular dendritic cells have also strong label (a,b). Kupfer cells of liver have moderate membranous staining reaction (c).