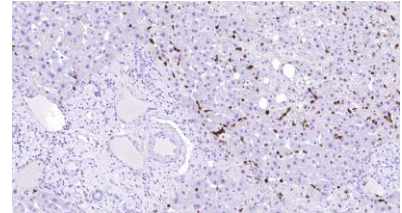


Anti-CD11b, rabbit monoclonal (BSR21)



BSH-4008-100 (0,1ml), BSH-4008-1 (1 ml)

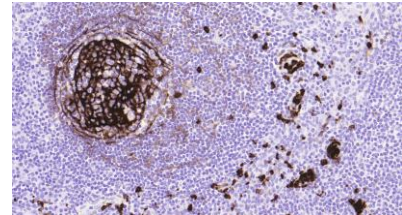
Clonality:	Rabbit monoclonal antibody
Clone:	BSR21
Application:	IHC-P (1:100 - 1:400)
Species Reactivity:	Human
Control tissues:	Appendix, Tonsil, Liver
Alias names:	Integrin alpha-M/beta-2, ITGAM
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C



Liver section has been stained using CD11b optibody (Clone: BSR21) with 1:200 dilution where Kupffer cells stain intensively.

Description

CD11b is a membranous protein with a role in adhesive interactions of many leukocytes, especially macrophages, and subsets of lymphocytes. The expression of CD11b increases during maturation and expression levels vary depending on the type of cell. CD11b can be used as common myeloid and NK cell marker. Useful marker for acute promyelocytic leukemia, hair cell leukemia and AML differentiations. Systemic lupus erythematosus is also shown to be associated with CD11b dysfunction.



Tonsil section has been stained using CD11b optibody (Clone: BSR21) with 1:200 dilution. Strong membranous staining on germinal center cells and peripheral macrophages.

Protocol

After paraffin removing and rehydration:

1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: CD11b 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H₂O₂), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO₄ -post enhancement, 5 min
12. Aqua

Counter staining, Bluing, dehydration, clearing, and mounting.

Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.