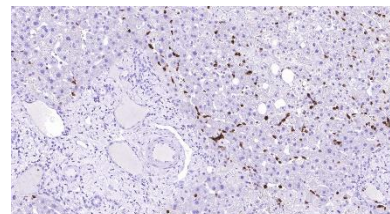


## Anti-CD11b, rabbit monoclonal (BSR21)

BSH-4008-100 (0.1 ml), BSH-4008-1 (1 ml)



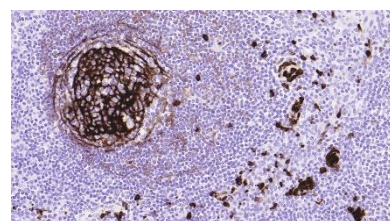
<b>Clonality:</b>	Rabbit monoclonal antibody
<b>Clone:</b>	BSR21
<b>Application:</b>	IHC-P (1:100 - 1:400)
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Appendix, Tonsil, Liver
<b>Alias names:</b>	Integrin alpha-M/beta-2, ITGAM
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7.2
<b>Storage:</b>	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, hairy 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

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H<sub>2</sub>O<sub>2</sub> (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip

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.