Anti-CD20, mouse monoclonal (BS6)

BSH-2006-100 (0.1 ml), BSH-2006-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS6
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human
Control tissues:	Appendix, tonsil
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

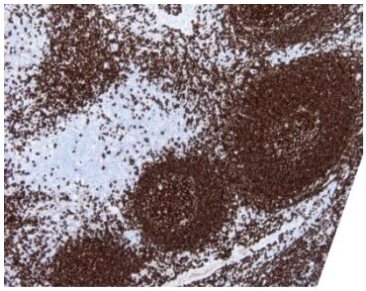
Description

The CD20 antigen is present on human pre B-lymphocytes and on B-lymphocytes at all stages of maturation, except on plasma cells. Low level expression of the CD20 antigen has been detected on subpopulation of T-lymphocytes. CD20 is expressed widely in the large majority of cases of B-cell leukemia and lymphoma. The CD20 molecule is involved in regulation of B-cell differentiation, presumably via its reported function as a Ca++ channel subunit. Together with CD79a, CD20 is one of the most important markers for the identification and classification of B-cell neoplasms.

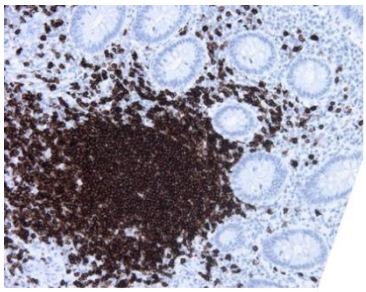
Protocol

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_2O_2 (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

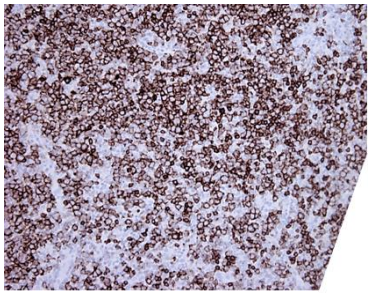
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tonsil section has been stained using CD20 optibody (Clone: BS6) with 1:250 dilution. B-cells have strong membranous label. Mantle zone B-cells and follicular B- cells have strongly stained with membranous staining pattern.



Appendix section has been stained using CD20 optibody (Clone: BS6) with 1:250 dilution. B-cells have strong membranous label.



Lymph node tissue with DLBCL has been stained using CD20 optibody (Clone: BS6) with 1:250 dilution. Neoplastic cells have strong membranous label.