

## Anti-CD20, mouse monoclonal (BS6)

BSH-2006-100 (0,1ml), BSH-2006-1 (1 ml)



<b>Clonality:</b>	Mouse monoclonal antibody
<b>Clone:</b>	BS6
<b>Application:</b>	IHC-P (1:100 – 1:400), IHC-Fro
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Appendix, tonsil
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7,2
<b>Storage:</b>	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<sup>++</sup> channel subunit. Together with CD79a, CD20 is one of the most important markers for the identification and classification of B-cell neoplasms.

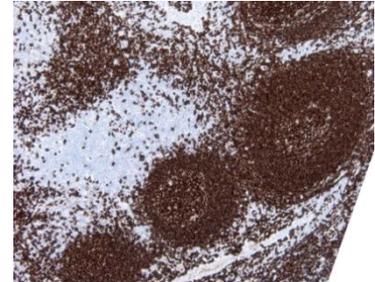
### Protocol

After paraffin removing and rehydration:

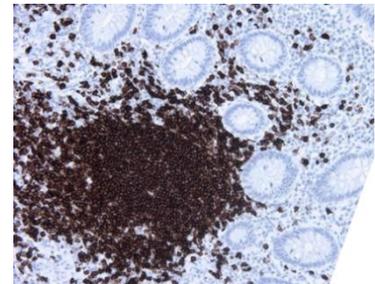
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: CD20 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H<sub>2</sub>O<sub>2</sub>), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO<sub>4</sub> -post enhancement, 5 min
12. Aqua

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

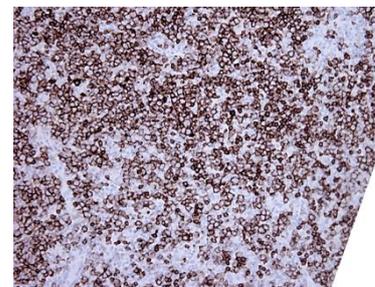
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



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.