

Anti-CD23, mouse monoclonal (BS20)

BSH-3004-100 (0,1ml), BSH-3004-1 (1 ml)



Clonality:	Mouse monoclonal antibody
Clone:	BS20
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 human leukocyte differentiation antigen CD23 (FCER2) is a key molecule for B-cell activation and growth. It is expressed on most mature B-cells and can also be found on the surface of T cells, macrophages, platelets and EBV transformed B-lymphoblasts. Expression of CD23 has been detected in neoplastic cells from cases of B cell chronic lymphocytic leukemia. CD23 is expressed by B cells in the follicular mantle zone B-cells and follicular dendritic cells. CD23 is distinct from the high affinity IgE receptors found on basophils and mast cells, which mediate allergic reactions.

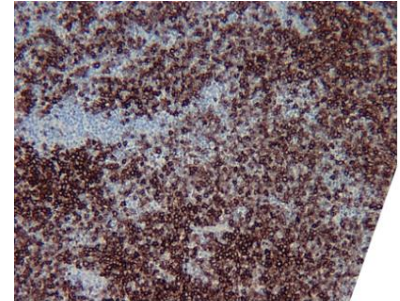
Protocol

After paraffin removing and rehydration:

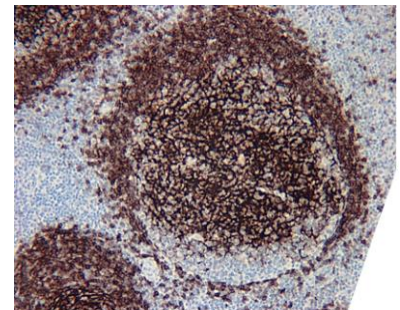
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: CD23 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H₂O₂), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO₄ -post enhancement, 5 min
12. Aqua

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

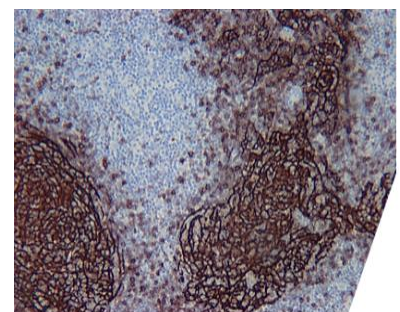
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tumor section stained with CD23 optibody (Clone: BS20) using 1:200 dilution. Neoplastic cells have strong to moderate label



Tonsil section stained with CD23 optibody (Clone: BS20) using 1:200 dilution. B-cells of mantle zone have a strong or moderate membranous label and follicular dendritic cells stained strongly.



Follicular lymphoma section stained with CD23 optibody (Clone: BS20) using 1:200 dilution. Dendritic cells have strong label.