

Anti-CD4, rabbit monoclonal (BSR4)

BSH-3008-100 (0,1ml), BSH-3008-1 (1 ml)



Clonality:	Rabbit monoclonal antibody
Clone:	BSR4
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human
Control tissues:	Tonsil, appendix, liver
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

Description

The CD4 is membrane glycoprotein (58kDa) and it is highly expressed on human T-helper lymphocytes and thymocytes, as well as at lower levels on cells from monocyte lineage. CD4 is useful marker for recognition of different subtypes of lymphocytes and in diagnostic for T-lymphoblastic lymphomas and histiocytic neoplasia.

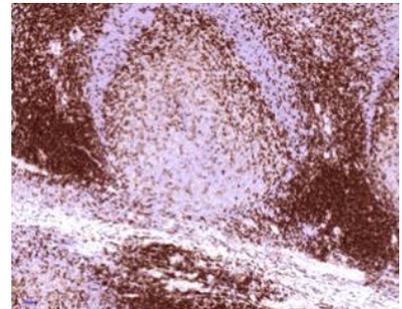
Protocol

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: CD4 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.

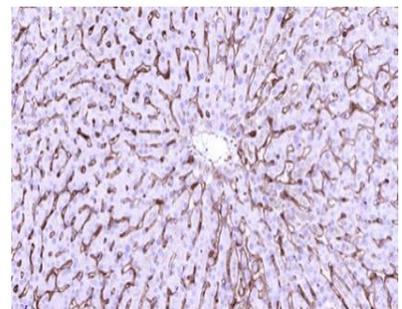
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tonsil section has been stained using CD4 optibody (BSR4) with 1:200 dilution. T-cells have strong membranous label and faint to moderate label was observed from germinal center macrophages.



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Liver section has been stained using CD4 optibody (BSR4) with 1:200 dilution. Sinusoid of liver and kupffer cells have moderate to strong staining reaction.