

Anti-CD4, rabbit monoclonal (BSR4)

BSH-3008-100 (0.1 ml), 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

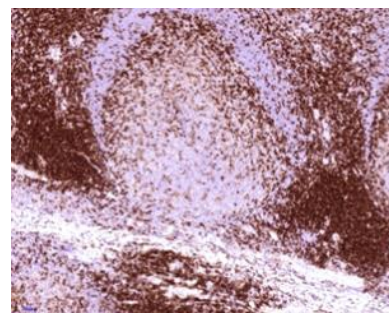
Description

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

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. H₂O₂ (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

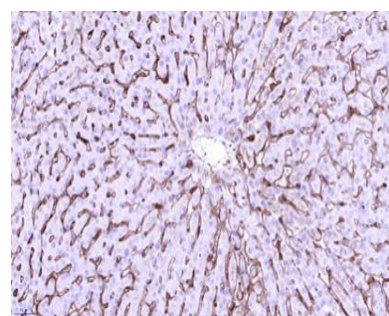
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tonsil section has been stained using 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.