

Anti-CD3e, rabbit monoclonal (BSR10)

BSH-3000-100 (0,1ml), BSH-3000-1 (1 ml)



Clonality:	Rabbit monoclonal antibody
Clone:	BSR10
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human (others not tested)
Control tissues:	Tonsil, appendix
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

Description

The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. CD3e is an important pan T-cell marker for the classification of malignant lymphomas and lymphoid leukaemia.

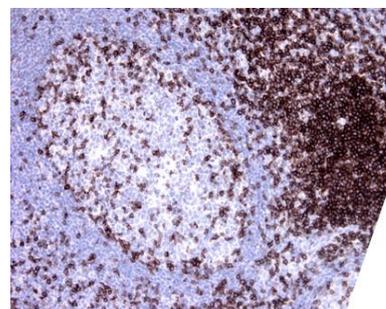
Protocol

After paraffin removing and rehydration:

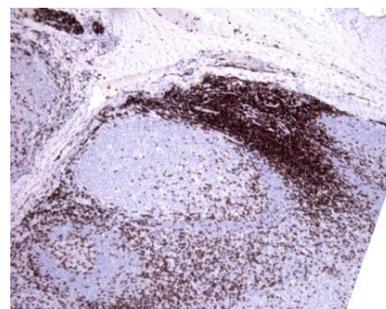
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: CD3e 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H₂O₂), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO₄ -post enhancement, 5 min
12. Aqua

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

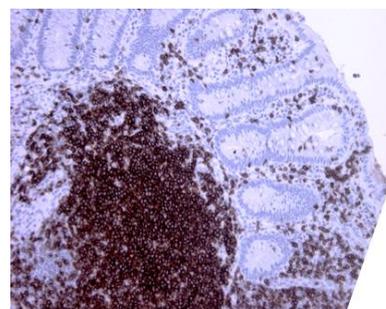
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tonsil section has been stained using CD3 optibody (BSR10) with 1:200 dilution. All T-cells should be labelled and scattered T-cells should be stained from germinal center without staining in B-cells.



Tonsil section has been stained using CD3 optibody (BSR10) with 1:200 dilution. All T-cells have strongly membranous staining pattern.



Appendix section has been stained using CD3 optibody (BSR10) with 1:200 dilution. T-cells and intraepithelial T-cells stained strongly.