

Anti-CD3e, rabbit monoclonal (BSR10)

BSH-3000-100 (0.1 ml), 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

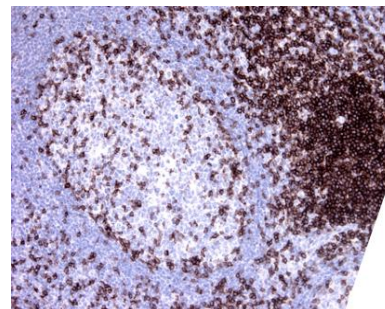
Description

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.

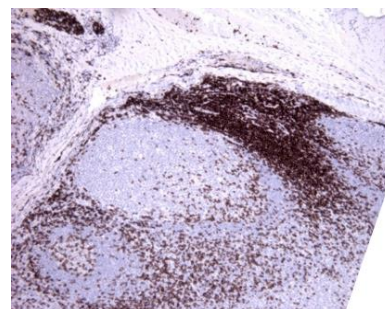
Protocol

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

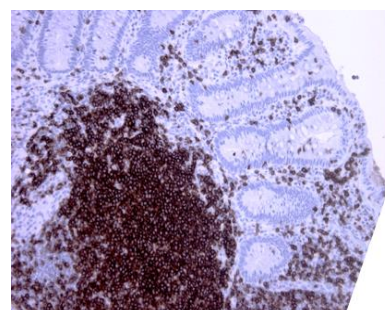
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tonsil section has been stained using 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.