Anti-CD3z, mouse monoclonal (BS103)

BSH-7370-100 (0.1 ml), BSH-7370-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS103
Application:	IHC-P (1:100 – 1:400)IHC-Fro
Species Reactivity:	Human
Control tissues:	Tonsil, Appendix
Alias names:	T3Z, CD3H, CD3Q, CD3Z, TCRZ, CD3-ZETA, CD247
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

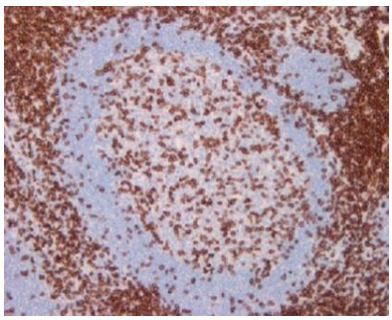
Description

The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

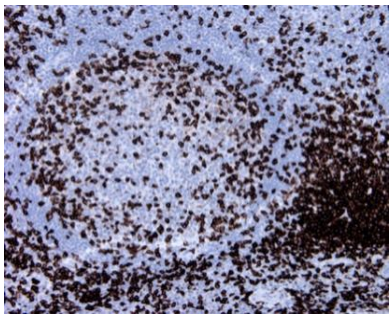
Protocol

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. H_2O_2 (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 (Clone: BS103) with 1:300 dilution, without CuSO4 DAB hue post enhancement. All T-cells should be labelled and scattered T-cells should be stained from germinal center.



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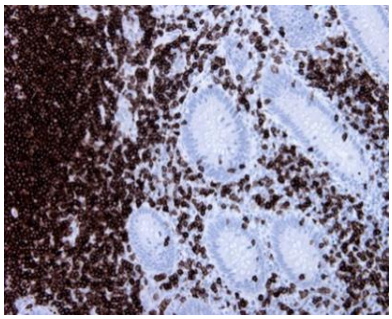

Appendix section has been stained using CD3 optibody (Clone: BS103) with 1:300 dilution. T-cells and