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Nordic **BioSite**
- in Life Science Research

Anti-LEF1, mouse monoclonals (BS175 & BS190)

C E IVD

BSH-9277-100 (0,1ml), BSH-9277-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS175 &BS190
Application:	IHC
Species Reactivity:	Human
Control tissues:	Appendix, tonsil
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

Description

Lymphoid Enhancing Factor 1 (LEF1) is a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt-signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. LEF1 has a role in lymphopoietic and it is expressed normally in nucleus of T and pre-mature B-lymphocytes. LEF1 is a useful marker of subtyping of lymphomas especially for differentiation diagnostic of CLL and small lymphocytic lymphoma from other B-cell neoplasia.

Protocol

After paraffin removing and rehydration:

1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: : LEF1 1:100 - 1:200, 30 min.
4. Wash
5. 3% H_2O_2, 10 min.*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10007), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. $CuSO_4$ -post enhancement, 5 min
13. Aqua
14. Counter staining in diluted Mayer, 1 min
15. Bluing, 7 min in tap water
16. Dehydration, clearing and mounting

Dilution of this concentrated antibody depends on the detection system used and the final working dilution need to always be determined by the user.
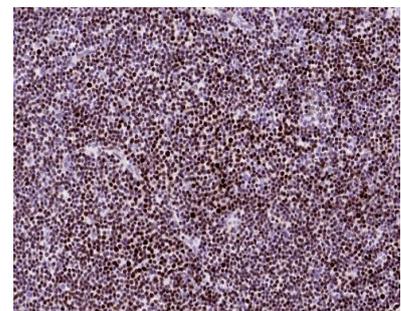* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.
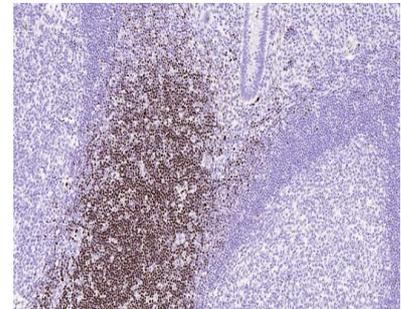
a)
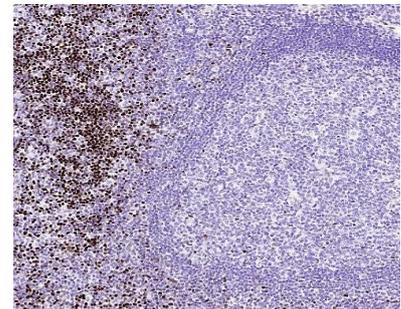
b)

c)

LEF1 stained tissue sections.
Appendix (a) and tonsil sections (b, c) have been stained using LEF1 optibody (Clones: BS175 & BS190) with 1:200 dilution. T-cells have strong nuclear label in appendix (a) tonsil (b) and CLL sections (c).

+ Optibodies™