## Anti-CD7, rabbit monoclonal (BSR9)

BSH-3002-100 (0.1 ml), BSH-3002-1 (1 ml)

| Clonality: | Rabbit monoclonal antibody |
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| Clone: | BSR9 |
| Application: | IHC-P (1:100-1:400), IHC-Fro |
| Species Reactivity: | Human |
| Control tissues: | Tonsil, appendix |
| Buffer: | TRIS with $0.03 \%$ sodium azide, pH 7.2 |
| Storage: | Store at $4^{\circ} \mathrm{C}$ |

## Description

CD7 transmembrane protein is a member of the immunoglobulin superfamily. This protein is found on thymocytes, mature T-cells and NK-cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development

## Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, $2 \times 5 \mathrm{~min}$
3. Pre-treatment: PT-module HIER pH $9.0\left(20 \mathrm{~min}\right.$ at $\left.98^{\circ} \mathrm{C}\right)$
4. $\mathrm{H}_{2} \mathrm{O}_{2}$ (concentration $3 \%$ ), 10 min
5. Wash: PBS or TBS buffer, $2 \times 5$ min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, $2 \times 5$ min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, $2 \times 5$ min
10. DAB Substrate, 8 min
11. Wash: aqua dest, $2 \times 2 \mathrm{~min}$
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 CD7 optibody (Clone: BSR9) with1:250 dilution. CD7 positive T-cells have strong membranous labelmembranous staining pattern.


Appendix section has been stained using CD7 optibody (Clone: BSR9) with1:250 dilution. CD7 positive T-cells and intraepithelial T-cells have strong membranous label.


Tonsil section has been stained using CD7 optibody (Clone: BSR9) with1:250 dilution. CD7 positive T-cells have strong membranous label.

