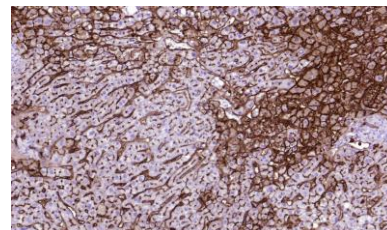


## Anti-CD13, rabbit monoclonal (BSR22)

BSH-3019-100 (0.1 ml), BSH-3019-1 (1 ml)



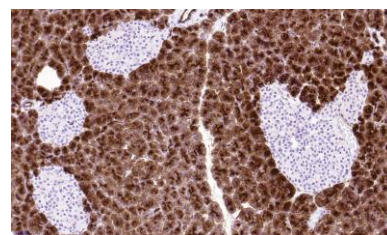
<b>Clonality:</b>	Rabbit monoclonal antibody
<b>Clone:</b>	BSR22
<b>Application:</b>	IHC-P (1:100 – 1:400)
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Appendix, tonsil, liver
<b>Alias names:</b>	Aminopeptidase-N
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7.2
<b>Storage:</b>	Store at 4°C



Liver section has been stained using CD13 optibody (Clone: BSR22) with 1:200 dilution. Bile canaliculi of liver has strong staining reaction.

## Description

CD13 is a transmembrane protease which expressed widely in different tissues and cells. CD13 expressed especially cells of myeloid origin but also eg. in bile canaliculi of liver, fibroblasts, proximal tubules of kidney, and vascular endothelia. CD13 is useful marker for acute myeloid leukaemia (AML) and differentiating between hepatocellular carcinoma (HCC) and non-hepatocellular tumors.

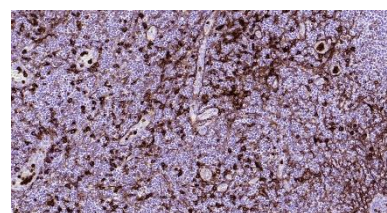


Pancreas section has been stained using CD13 optibody (Clone: BSR22) with 1:200 dilution. Exocrine tissue of pancreas has strong and intensive staining reaction and endocrine cells in Langerhans islets have no staining reaction.

## 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<sub>2</sub>O<sub>2</sub> (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 CD13 optibody (Clone: BSR22) with 1:200 dilution. Interfollicular macrophages, monocytes in the lumen of vein and fibroblasts have strong staining reaction.