Datasheet

Mouse mAb to **CDw75**
Clone **LN-1**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with nuclei from pokeweed mitrogen-stimulated PBL.
Fusion partner: NS-1.

Specifications

LN-1 reacts with CDw75, a neuraminidase sensitive cell surface sialoglycan which is present on the cell membrane and cytoplasm of germininal center B-cells and derived lymphomas. CDw75 has a function in cell adhesion and is the ligand for CD22. LN-1 reacts with RBC precursors in bone marrow, ductal and ciliated epithelial cells of kidney, breast, prostate, pancreas, lung, and with gioblastomas and astrocytoma's, and also Reed Sternberg cells in Hodgkin's disease.

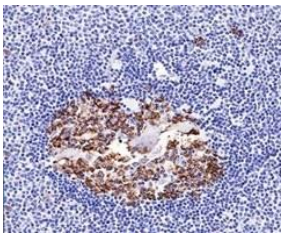

Figure 1: Human spleen stained with LN-1 (paraffin).

Species reactivity

Positive: human.

Applications

LN-1 can be useful in identifying B-cell phenotype and show Reed Sternberg cells in Hodgkin's disease.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	Citrate

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

HeLa or Daudi cells. Germinal center B-cell in a lymph node or tonsil. Use LN-1's ability to stain the surface of erythrocytes as an internal positive control.

References

- Epstein AL et. al. J of Immunology 133: 1028-1036 (1984).
- Marder RJ et. al. Lab Invest 52: 497-504 (1985).