Datasheet

Mouse mAb to **Vimentin**
Clone **LN-6**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with human thymic nuclear extract.
Fusion partner: Sp2/0.

Specifications

LN-6 reacts with vimentin, a 58kDa protein, and specifically with a non-hematopoietic epitope of vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP) such as desmin, keratin, neurofilament, and glial fibrillary acid protein. Vimentin is ubiquitously expressed in mesenchymal cells such as fibroblasts, smooth muscle cells, and endothelium. Antibody against vimentin is useful as part of an antibody panel for differential diagnosis of tumors of unknown origin. It does not react with leukocyte common antigen-positive tissues such as lymphomas and leukemias.

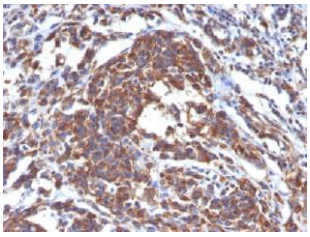

Figure 1: Human melanoma stained with LN-6 (paraffin)

Species reactivity

Positive: cat, cow, human, mouse, pig, rabbit, rat, sheep.

Applications

Identification of sarcomas, melanomas, and meningiomas. Differentiation of sarcomas from lymphomas.

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 (formalin-fixed: 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

Jurkat cells, sarcomas, melanomas.

References

- Stathopoulos, E, et al, *J. Histochem. Cytochem.* **37**: 1363-1370 (1989).