

Datasheet



Mouse mAb to **Ribonucleoproteins**
Clone **58-15**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with isolated nuclei.
Fusion partner: NS-1.

Specifications

58-15 Recognizes ribonucleoproteins (RNP), found predominantly in nuclear ribonucleoprotein (nRNP) particles, one of the main components of nucleoli. It identifies cells active in the cell cycle and hence can be used to measure the mitotic activity of cell populations. Since the antibody can be used in paraffin embedded tissue sections, it can identify actively cycling cells within routinely fixed tissue specimens. 58-15 Can be considered a pan nRNP antibody. Pan nRNP antibodies provide detection for a range of RNP proteins.

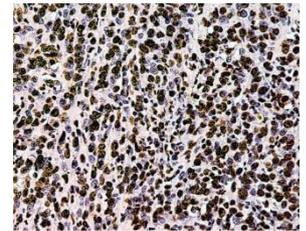


Figure 1: Human spleen stained with 58-15 (paraffin)

Species reactivity

Positive: human, rat.
Negative: mouse.

Applications

58-15 Can be viewed as a pan nRNP antibody. Pan nRNP antibodies provide detection for a range of RNP proteins.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	Citrate/trypsin

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 (1-2 µg/million cells in 0,1ml, fix cells in 4% PFA for 10 min, at 4°C, permeabilize with 0,2% saponin or digitonin for 15 min, at 4°C).
- Immunofluorescence (0,5-1,0 µg/ml)
- Immunohistology (2-4 µg/ml for 30 min at RT; staining of formalin-fixed tissues better after boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes, or digestion with trypsin at 1 mg/ml PBS, 15 min at RT).

Positive control

Jurkat cells, K-562 cells, spleen.

Datasheet



References

- Clevenger, C.V. et al. *J Histochem Cytochem* **32**: 757-765 (1984).
- Clevenger, C.V. et al. *Cytometry* **6**: 208-214 (1985).
- Maryam A and Nigel WF, *J Virol.* **75**: 12070-12080, (2001).