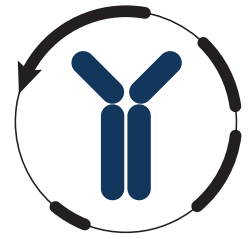


Datasheet



Mouse mAb to **Myeloid Specific Nuclear Antigen (p13)**
Clone **BM-3**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with nuclei from Pokeweed mitogen stimulated human peripheral blood lymphocytes. Fusion partner: NS-1.

Specifications

Induction studies using HL-60 cells showed that BM-3 identifies a nuclear antigen which is expressed during the early phases of myeloid differentiation, making BM-3 an early marker of myeloid differentiation. It is found in 98% of human granulocytes, in 80% of human monocytes and in myeloid precursor cells, residing in lymphoid and non-lymphoid tissues. It also reacts with a subset of myeloid leukemia cells. BM-3 has no reactivity with any other cell type in human tissues. In experiments using S-35 methionine labeled human myeloid leukemia cells BM-3 immunoprecipitated a 13 kDa protein.

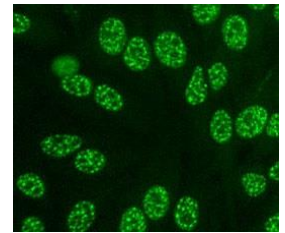


Figure 1: Staining of nuclear antigen (IFA)

Species reactivity

Positive: human.

Applications

For use on frozen sections.

Frozen sections	Immunofluorescence	Immunoprecipitation	Paraffin sections
+	+	+	-

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

- Immunofluorescence (0.5-1.0 µg/ml).
- Immunohistology (1-2 µg/ml for 330 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissue has not been established to date).
- Immunoprecipitation (1-2 µg per 100-500 µg of total cell lysate protein/1 ml of anti-mouse coated Sepharose-4B suspension).

Positive control

Blood, bone marrow or HL-60 cells

Datasheet



References

- Epstein, AL et al. *Blood* **70**: 1124-1130 (1987).
- Epstein, Alan L. and Clevenger, Charles V.: Identification of nuclear antigens in human cells by immunofluorescence, immunoelectron microscopy, and immunobiochemical methods using monoclonal antibodies. In: *Progress in Nonhistone Protein Research*, Vol. 1, Isaac Bekhor, ed.,(1985), CRC Press, Boca Raton, FL, pp. 117-137.
- Murao et al, *Cancer Research* **45**: 791-795 (1985).