Datasheet

Mouse mAb to **Myeloid Specific Antigen**
Clone **BM-2**
Isotype **Mouse IgG1**

Source

A BALB/c nuclei from Pokeweed mitogen stimulated human peripheral blood lymphocytes were used as immunogen. Fusion partner: NS-1.

Specifications

Until recently, immunological markers for myeloid cells have been lacking, especially those which identify different levels of cellular differentiation. The BM series provides a new panel of monoclonal antibodies which stain early precursor and mature forms of human myeloid cells. This panel of monoclonal antibodies reacts with antigenic determinants present in normal myeloid cells and leukemias of similar derivation. BM-2 recognizes a cytoplasmic antigen expressed in mature human granulocytes (polys) residing in lymphoid and non-lymphoid tissues. It does not react with any other cell type in human tissues.

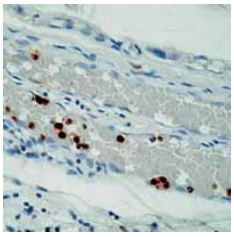

Figure 1: Human tonsil stained with BM-2 (paraffin)

Species reactivity

Positive: human, macaque monkey.

Applications

For use on formalin-fixed, paraffin embedded tissue. Blood or bone marrow is the recommended positive control tissue.

Flow cytometry	Frozen sections	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).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues better after boiling tissue sections in 10mM Citrate Buffer, pH6,0 , for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Tonsil.

References

- Epstein, AL et al. *Blood* **70**:1124-1130 (1987).