

## Monoclonal Antibody to Myeloid specific antigen - Purified

<b>Alternate names:</b>	Myeloid Marker
<b>Catalog No.:</b>	AM32304PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	BM-1 antigen is a 183 kD myeloid-specific-DNA-binding protein which is expressed in myeloid cells, including myeloid precursors and mature granulocytes. It is also expressed in chronic myeloid leukemia (CML) and M2 and M3 acute myeloid leukemias (AML) as well as myelomonocytic leukemias, but not in T, B, NK and other non-hematopoietic cells. The biological function of this antigen is not clear, although it has been proposed that BM-1 may play a role in the differentiation of myeloid cells.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	BM-1
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Embedded Tissue Sections.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	<i>BM-1</i> is reactive in B5 fixed, Paraffin Embedded tissue sections to Human myeloid cells and derived malignancies. The antibody reacts with a 183,000 Dalton cytoplasmic antigen with DNA- binding characteristics which is expressed in most myeloid precursor cells and myeloid leukemia's. It's positive on myeloid precursors in bone marrow but lymph nodes are negative. Tissue granulocytes are positive as well as scattered cells in peripheral cortex and interlobular septae of adult and fetal thymus. Portal regions of fetal liver (18 weeks) are also positive. Identification of M2 and M3 AML, of CML and CMMol and granulocytic sarcomas with Immunohistochemistry in both Frozen and Paraffin Sections.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.

**General Readings:** 1. Epstein AL; Samoszuk M; Stathopoulos E; Naeve GS; Clevenger CV; Weil S; Marder RJ. Blood, 1987, 70(4):1124-30.