

## Myeloid Cell Marker (Macrophage / Granulocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone BM-2]

Catalog No	Format	Size
MSM2-62-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM2-62-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM2-62-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

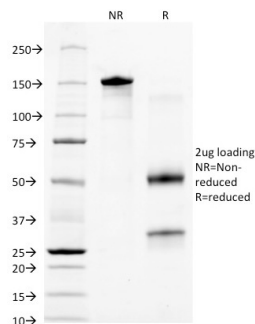
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

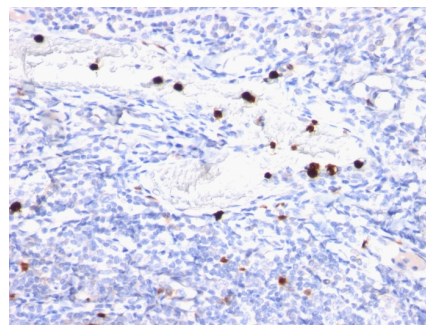
<b>Clone</b>	BM-2
<b>Gene Name</b>	N/A
<b>Immunogen</b>	Nuclei from pokeweed mitogen stimulated human peripheral blood lymphocytes
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	183kDa
<b>Cellular Localization</b>	N/A
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HL60 cells. Bone marrow, Lymph node or tonsil.

\*Optimal dilution for a specific application should be determined.

### Product Images for Myeloid Cell Marker (Macrophage / Granulocyte Marker) Antibody



SDS-PAGE Analysis of Purified Myeloid Specific Mouse Monoclonal Antibody (BM-2). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Tonsil stained with Myeloid Specific Mouse Monoclonal Antibody (BM-2).

**Specificity & Comments**

Recognizes 183kDa protein with DNA-binding characteristics, which is identified as a myeloid specific antigen. It reacts with myeloid precursor cells and granulocytes in bone marrow. Its antigen appears to be restricted to M2 and M3 acute myelogenous leukemia (AML) subtypes. Markers of myeloid cells are useful in the identification of different levels of cellular differentiation. This MAb reacts with early precursor and mature forms of human myeloid cells. It is useful in the identification of myelogenous leukemias, distinguishing granulocytic sarcomas from lymphoid malignancies and also in the study of differentiation and transformation of human myeloid cells. The biological function of this antigen is not clear, although it has been proposed that it may play a role in the differentiation of myeloid cells.

---

**Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

---

**Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

---

**Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

---