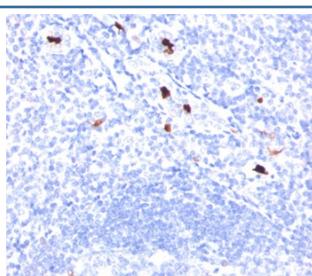


## Myeloid Cell Marker Antibody [clone BM-1] (V2356)

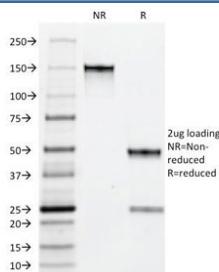
Catalog No.	Formulation	Size
V2356-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2356-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2356SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2356IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BM-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	Unknown
Localization	Cytoplasmic and nuclear
Applications	Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This <b>Myeloid cell marker antibody</b> is available for research use only.



Formalin/paraffin human tonsil stained with Myeloid cell marker antibody (BM-1).



SDS-PAGE Analysis of Purified, BSA-Free Myeloid Cell Marker Antibody (clone BM-1). Confirmation of Integrity and Purity of the Antibody.

## Description

This antibody recognizes a 183kDa protein with DNA-binding characteristics, which is identified as a myeloid cell specific antigen. Clone BM-1 antibody 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. This type of marker is useful in the identification of different levels of cellular differentiation. BM-1 and BM-2 antibodies react with early precursor and mature forms of human myeloid cells. This mAb 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 the marker protein is not clear, although it has been proposed that it may play a role in cell differentiation.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Myeloid cell marker antibody to be titrated up or down for optimal performance.

1. No special pretreatment is required for staining of formalin/paraffin tissues.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human peripheral blood mononuclear cells were used as the immunogen for this Myeloid cell marker antibody.

## Storage

Store the Myeloid cell marker antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## References (1)