

AM33284PU-S

Monoclonal Antibody to Myeloid specific antigen - Purified

Alternate names:	Myeloid Cell Marker
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	SPM298
Immunogen:	Human peripheral blood mononuclear cells.
Format:	State: Liquid purified IgG fraction from Bioreactor Concentrate Purification: Protein A/G Chromatography Buffer System: 10mM PBS Preservatives: 0.05% Sodium Azide Stabilizers: 0.05% BSA
Applications:	Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1 µg/ml for 30 minutes at RT. No special pretreatment is required for staining of formalin/paraffin tissues. <u>Positive Control:</u> Bone marrow, lymph node or tonsil. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	183 kDa
Specificity:	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. <u>Cellular Localization:</u> Cytoplasmic and Nuclear.
Species Reactivity:	Tested: Human.
Storage:	Store 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, et al. Immunohistochemical characterization of a 183 KD myeloid-specific-DNA-binding protein in B5 fixed, paraffin-embedded tissues, and bone marrow aspirates by monoclonal antibody BM-1. Blood. 1987 Oct;70(4):1124-30. PubMed PMID: 3307947.

Pictures:

Formalin-Fixed, Paraffin-Embedded tonsil stained with Myeloid specific antigen Antibody Cat.-No AM33284PU (Clone SPM298).

