

Product datasheet for **AM32300PU-N**

p13 Myeloid Marker Mouse Monoclonal Antibody [Clone ID: BM-3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BM-3
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	ELISA: 1/5,000-1/20,000. Western Blot: 1/500-1/5,000. Immunoprecipitation: 1/100. Flow Cytometry. Immunohistochemistry on Frozen Sections: (1/100). The antibody does not stain tissue after paraffin treatment.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A BALB/c mouse was immunized with nuclei from Pokeweed mitogen stimulated Human peripheral blood lymphocytes.
Specificity:	This purified Mouse monoclonal antibody reacts specifically with p13 in Human granulocytes and monocytes residing in lymphoid and non-lymphoid tissues. The antibody recognizes a 13 kDa band corresponding to p13. Cross reactivity from other sources has not been determined.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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Background:

p13 is a specific marker for human myeloid cells. Induction studies using HL-60 cells show that p13 is expressed during the early phases of myeloid differentiation. The mAb anti-p13 recognizes a nuclear antigen expressed in human granulocytes (98%) and monocytes (80%) residing in lymphoid and non-lymphoid tissues. BM3 is an early marker of myeloid differentiation. Immunoprecipitation experiments using S35 methionine labeled human myeloid leukemia cells show that BM3 identifies a 13,000 Dalton protein.