

Monoclonal Antibody to Hemoglobin F (intact) - Azide Free

Catalog No.:	BM2515
Quantity:	0.25 mg
Host / Isotype:	Mouse / IgG1
Clone:	HBF2
Immunogen:	Purified human fetal Hemoglobin.
Format:	State: Liquid purified Ig fraction. Purification: Protein A chromatography. Buffer System: PBS buffer, pH 7.4 with 0.09% Sodium Azide as preservative.
Applications:	ELISA. Flow Cytometry. Direct Immunofluorescence Microscopy. Immunohistochemistry. Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with human fetal hemoglobin molecule in its intact form. Binding is not observed for purified fetal hemoglobin alpha or gamma globulin chains alone. Reactivity is seen with human fetal erythrocytes, adult F cells, and nucleated red cells precursors containing HbF. No binding is observed with other forms of human hemoglobin, including HbA, HBA2, HBA1C, HbS and HbE.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. U.S. Patent application 08/629.183, Monoclonal antibodies specific for human hemoglobin F, Davis, B.H., Poulik, D.P. and Chen, J.C., filed April 8, 1996. 2. Davis BH, Olsen S, Bigelow NC, Chen JC. Detection of fetal red cells in fetomaternal hemorrhage using a fetal hemoglobin monoclonal antibody by flow cytometry. Transfusion. 1998 Aug;38(8):749-56. PubMed PMID: 9709783. 3. Chen, J.C., et al., Proposed flow cytometric reference method for erythroid F cells counting, Cytometry, 42, 239-246 (2000). 4. Munde Y, Bigelow NC, Davis BH, Porter JB. Simplified flow cytometric method for fetal hemoglobin containing red blood cells. Cytometry. 2000 Dec 15;42(6):389-93. PubMed PMID: 11135294.

5. Davis BH. Diagnostic advances in defining erythropoietic abnormalities and red blood cell diseases. Semin Hematol. 2001 Apr;38(2):148-59. PubMed PMID: 11309696.
6. Davis, B.H., et al., Fetal Red Cell Detection; Proposed Standard, NCCLS Document, H52-P (2000).