

Product datasheet for **AM01125PU-N**

Folate Binding Protein (FOLR1) Mouse Monoclonal Antibody [Clone ID: SF55 (BGN/1210/55)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SF55 (BGN/1210/55)
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Folate binding protein from Bovine milk.
Specificity:	This antibody reacts with Folate Binding Protein (FBP) a 30 kDa protein with a high affinity for folate and several reduced folic acid derivatives, that mediates the intracellular delivery of 5-Methyl-Tetrahydrofolate. Membrane bound and soluble forms of a high affinity FBP have been found in kidney, placenta, serum, milk, and several cell lines.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	folate receptor 1 (adult)
Database Link:	Entrez Gene 2348 Human P15328



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Background:

Folate Binding Protein, has a high affinity for folic acid and for several reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate to the interior of cells. Membrane bound and soluble forms of a high affinity folate binding protein have been found in kidney, placenta, serum, milk, and in several cell lines. The 2 forms have similar binding characteristics for folates, are immunologically crossreactive, and, based upon limited amino acid sequence data, are nearly identical. There may be a precursor-product relationship between the membrane and soluble forms, the membrane form having additional amino acid residues and greater molecular weight. The membrane form has been shown to mediate the transport of folate in cells grown in physiologic concentrations of folate. A function for the soluble form, which is found in serum, milk, and urine, has not been identified.

Synonyms:

FR-alpha, Folate receptor 1, MOV18, KB cells FBP, FOLR1, FOLR