

Product datasheet for **R1080PS**

Folate receptor alpha Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Suitable for immunoblotting (Western or dot blot), ELISA, immunoprecipitation and most immunological methods requiring high titer and specificity. Recommended Dilutions: ELISA: 1/5,000-1/20,000 Western blot: 1/500-1/5,000 Immunoprecipitation: 1/100 This product has been assayed against 1.0 µg of folate binding protein [bovine milk] in a standard sandwich ELISA using peroxidase conjugated Affinity purified anti-Goat IgG [H&L] (Goat) and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/10,000 to 1/40,000 of the reconstitution concentration is suggested.
Reactivity:	Bovine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Folate binding protein / folate receptor alpha from bovine milk
Specificity:	This antibody detects bovine folate receptor alpha. Cross reactivity against FR-alpha from other tissues and species may occur but have not been specifically determined. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum as well as purified and partially purified folate binding protein [bovine milk].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 State: Purified State: Lyophilized purified Ig fraction Preservative: with 0.01% (w/v) Sodium azide
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P02702
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