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Product datasheet for R1080HRPS

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, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. Recommended Dilutions: **Western Blot**: 1/500-1/1,000. **Immunopprecipitation**: 1/100. **ELISA**: 1/1,000-1/2,500. This product has been assayed against 1.0 µg of folate binding protein [bovine milk] in a standard capture ELISA using ABTS as a substrate for 30 minutes at room temperature.
Reactivity:	Bovine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Folate binding protein / folate receptor alpha from bovine milk
Specificity:	This antibody detects bovine folate binding protein. Cross reactivity against FR-alpha from other sources is unknown. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, 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 Label: HRP State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml Polyethylene glycol (PEG-8000) Preservative: 0.01% Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific

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Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	HRP
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