

Datasheet for 100-101-148**Folate Binding Protein Antibody****Overview**

Description:	Anti-Folate Binding Protein (Bovine Milk) (GOAT) Antibody - 100-101-148
Item No.:	100-101-148
Size:	2 mL
Reactivity:	Bovine
Host Species:	Goat

Product Details

Background:	Folate Binding Protein binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. It has a high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. It is required for normal embryonic development and normal cell proliferation.
Synonyms:	Folate receptor alpha, FR-alpha, Folate receptor 1, Milk folate-binding protein, Folate-binding protein 1, FBP, goat anti-folate binding protein antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	FOLR1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Folate Binding Protein [Bovine Milk]

Purity/Specificity: This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Folate Binding Protein [Bovine Milk]. Cross reactivity against Folate Binding Protein from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P02702](#)
- [NCBI - NP_001193456.1](#)
- [GeneID - 539750](#)

Application Details

Application Note: This product has been assayed against 1.0 ug of Folate Binding Protein [Bovine Milk] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:9,000 of the reconstitution concentration is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:20,000

IP: 1:100

WB: 1:500 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 90 mg/mL by Refractometry

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

Reconstitution Volume: 2.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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