

**Datasheet for 200-101-148S****Folate Binding Protein Antibody****Overview**

<b>Description:</b>	Anti-Folate Binding Protein (Bovine Milk) (GOAT) Antibody - 200-101-148S
<b>Item No.:</b>	200-101-148S
<b>Size:</b>	25 µL
<b>Reactivity:</b>	Bovine
<b>Host Species:</b>	Goat

**Product Details**

<b>Background:</b>	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.
<b>Synonyms:</b>	goat anti-Folate Binding Protein Antibody, Folate receptor alpha, FR-alpha, Folate receptor 1, Milk folate-binding protein, Folate-binding protein 1, FBP
<b>Host Species:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	FOLR1
<b>Reactivity:</b>	Bovine
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Folate Binding Protein [Bovine Milk]

**Purity/Specificity:** Anti-FOLATE BINDING PROTEIN is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. 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]. 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](#)
- [GenelD - 539750](#)

## Application Details

**Application Note:** FOLATE BINDING PROTEIN Antibody 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] (Rabbit) code #605-4302 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 1:10,000 to 1:40,000 of the reconstitution concentration is suggested for this product. Highest levels of antigen binding and antibody reactivity were observed using Nunc<sup>®</sup> brand MaxiSorp immunoplates.

**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:** Liquid (sterile filtered)

**Concentration:** 1 mg/ml by UV absorbance at 280 nm

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

**Preservative:** 0.01% (w/v) Sodium Azide

**Stabilizer:** None

## Shipping & Handling

**Shipping Condition:** Dry Ice

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<b>Storage Condition:</b>	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

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## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.