

Datasheet for 200-106-148S**Folate Binding Protein Antibody Biotin Conjugated****Overview**

Description:	Anti-Folate Binding Protein (Bovine Milk) (GOAT) Antibody Biotin Conjugated - 200-106-148S
Item No.:	200-106-148S
Size:	25 µL
Applications:	WB, Biochemical Assay
Reactivity:	Bovine
Host Species:	Goat

Product Details

Background:	Anti-Folate Binding Protein antibody belongs to the folate receptor family and binds to folate and reduced folic acid derivatives. It further regulates delivery of 5-methyltetrahydrofolate to the cell interior. Folate expresses solely in epithelial tissues, and expression is increased in malignant tissues. Anti-Folate Binding Protein antibody is ideal for researchers investigating Tags & Cell Markers and Cancer research.
Synonyms:	goat anti-Folate Binding Protein Antibody biotin Conjugation, biotin Conjugated goat anti-Folate Binding Protein Antibody, Folate receptor alpha, FR-alpha, Folate receptor 1, Milk folate-binding protein, Folate-binding protein 1, FBP
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FOLR1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	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-Biotin, anti-Goat Serum as well as purified and partially purified Folate Binding Protein [Bovine Milk]. Cross reactivity against Folate Binding Protein from other sources is unknown.

Relevant Links:

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

Application Details

Tested Applications:	WB
Suggested Applications:	Biochemical Assay (Based on references)
Application Note:	Anti-Folate Binding Protein has been tested by western blot and is suitable to be assayed against 1.0 ug of Folate Binding Protein in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:4,000 to 1:20,000 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:	1:1,000 - 1:2,500
IP:	1:100
WB:	1:500 - 1:1,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

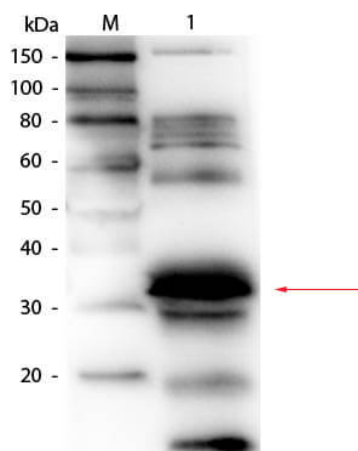
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: 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.

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

Images



Western Blot

Western Blot of Goat anti-Folate Binding Protein (Bovine Milk) Antibody Biotin Conjugated. Lane 1: Blotto. Load: 50.0 ug per lane. Primary antibody: Goat anti-Folate Binding Protein (Bovine Milk) Antibody Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 minutes at RT. Predicted/Observed size: 28 kDa, 30 kDa for Folate Binding Protein. Migrates slightly higher. Other band(s): non-specific proteins in Blotto.

References

- Kameyama et al. Induction of mitophagy-mediated antitumor activity with folate-appended methyl-β-cyclodextrin. *International Journal of Nanomedicine* (2017)

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.