

Datasheet for 200-103-148S**Folate Binding Protein Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Folate Binding Protein (Bovine Milk) (GOAT) Antibody Peroxidase Conjugated - 200-103-148S
Item No.:	200-103-148S
Size:	25 µL
Applications:	WB
Reactivity:	Bovine
Host Species:	Goat

Product Details

Background:	Folate-binding protein (FBP) are proteins that bind folate, typically the folate receptors and reduced folate carrier. In cancer research it can be a marker for ovarian cancer. It can be measured to help in tumor classification to aid treatment. FBP is over-expressed (20-80 fold) in more than 90% of ovarian and endometrial cancers, as well as 20-50% of breast, lung, colorectal, and renal cell carcinomas. FBP has very limited tissue distribution and expression in non-malignant tissue, making it a good immunotherapy target.
Synonyms:	goat anti-Folate Binding Protein Antibody HRP Conjugation, Peroxidase 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:	Peroxidase (HRP)
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-Peroxidase, 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
Application Note:	Anti-Folate Binding Protein has been tested in western blot and is suitable to be assayed against 1.0 ug of Folate Binding Protein [Bovine Milk] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/ml Polyethylene Glycol (PEG-8000)

Shipping & Handling

Shipping Condition:	Dry Ice
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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.

Disclaimer

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