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Datasheet for 201-4301

Bovine Serum Antibody Peroxidase Conjugated

Overview

Description:	Anti-Bovine Serum (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 201-4301
Item No.:	201-4301
Size:	20 mg
Applications:	Dot Blot, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Anti-Bovine serum antibody detects bovine serum proteins. Serum proteins are those proteins remaining in portion of plasma after coagulation of blood, during which process the plasma protein fibrinogen is converted to fibrin and remains behind in the clot. Anti-Bovine serum antibody is ideal for investigators involved in Cell Signaling, Cellular Biology and Signal Transduction research.
Synonyms:	Rabbit anti-Bovine Serum Peroxidase Conjugated Antibody, Rabbit anti-Bovine Serum Antibody HRP Conjugation
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Bovine serum proteins

Purity/Specificity:	Bovine serum is an IgG fraction antibody purified from polyspecific 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-Rabbit Serum and anti-Peroxidase. Multiple precipitin arcs were observed against Bovine Serum.

Application Details

Tested Applications:	Dot Blot
Suggested Applications:	WB (Based on references)
Application Note:	Anti-Bovine Serum peroxidase conjugate has been tested by dot blot and is suitable to be assayed against 1.0 ug of Bovine IgG in a standard capture ELISA using 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 1:20,000 to 1:100,000 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:	User Optimized
IHC:	User Optimized
WB:	User Optimized

Formulation

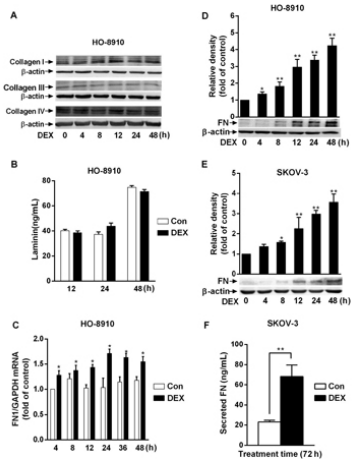
Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/ml Polyethylene Glycol (PEG-8000)
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient

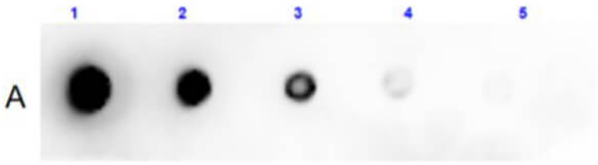
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

DEX upregulates the expression of FN, but does not affect the expression of collagens and secretion of laminin in ovarian cancer cells. HO-8910 cells were treated with 10−7mol L−1 DEX for the indicated times. The protein levels of collagen I, III, and IV were assessed by Western blot (A) and secreted protein of laminin was determined by ELISA (B) as described in Materials and methods. The expression of FN1 mRNA in HO-8910 cells treated with 10−7mol L−1 DEX for the indicated times was assessed by Real-time PCR (C) normalized to GAPDH. Data shown are representative of at least three separate experiments. FN expression in HO-8910 (D) and SKOV-3 cells (E) treated with 10−7mol L−1 DEX for the indicated times were assessed by Western blot and β-actin was used as normalization control. Relative density for Western blot was analyzed by ImageJ 1.40g software and the results were expressed as fold of control and representative of at least three independent experiments. The secreted levels of FN in SKOV-3 cells treated with or without 10−7mol L−1 DEX for 72h were determined by ELISA. The concentration of FN was calibrated from a dose–response curve based on reference standards. The experiments were performed in triplicate (F). *P<0.05, **P<0.01 vs control. Fig 1. PMID: 27151574



Dot Blot
Dot Blot of Rabbit Anti-Bovine Serum Antibody Peroxidase Conjugated. Bovine Serum (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: Anti-Bovine Serum HRP at 10µg/mL for 1hr at RT. Secondary Antibody: none. Block: BlockOut Buffer (p/n MB-073) for 30mins at RT.

References

- Yin L et al. The pro-adhesive and pro-survival effects of glucocorticoid in human ovarian cancer cells. *J Mol Endocrinol.* (2016)

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