

Datasheet for 214-4307**Swine IgM (mu) Antibody Peroxidase Conjugated****Overview**

Description:	Rabbit Anti-Swine IgM (mu) Antibody Peroxidase Conjugated - 214-4307
Item No.:	214-4307
Size:	20 mg
Applications:	Dot Blot, ELISA
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Anti-Swine IgM mu heavy chain antibody generated in rabbit detects specifically Swine IgM mu heavy chain. This secondary antibody anti-Swine is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Synonyms:	rabbit anti-Swine IgM (mu chain) Peroxidase Conjugated Antibody, Swine Antibody, Swine Antibody in Rabbit, Swine Secondary Antibody
Host Species:	Rabbit
Specificity:	IgM μ chain
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Anti-Swine IgM mu heavy chain was produced by repeated immunization with Swine IgM mu heavy chain in rabbit.

Purity/Specificity:	This product 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 cross adsorption and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Swine IgM and Swine Serum. No reaction was observed against Swine IgG.
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Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Swine IgM Peroxidase Conjugated Antibody has been tested by Dot blot and ELISA. This product has been assayed against 1.0 ug of Swine IgM 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 1:2,000 to 1:8,000 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:	1:10,000 - 1:50,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:10,000

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 Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

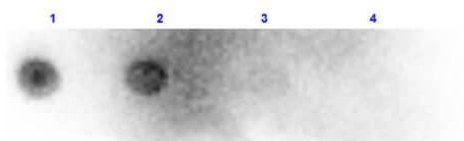
Shipping & Handling

Shipping Condition:	Ambient
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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.

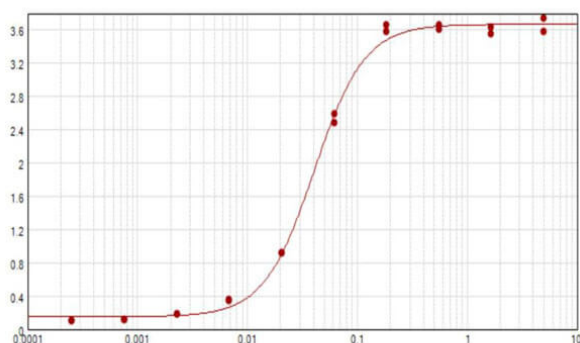
Expiration: Expiration date is one (1) year from date of receipt.

Images



Dot Blot

Dot Blot results of Rabbit Anti-Swine IgM Antibody Peroxidase Conjugated. Dots are Swine IgM at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: MB-070 for 30 min at RT. Primary Antibody: none. Secondary Antibody: Rabbit Anti-Swine IgM-HRP at 1µg/mL for 1hr at RT. Imaged with BioRad ChemiDoc, Chemi filter.



ELISA

ELISA results of purified Polyclonal Rabbit Anti-Swine IgM (mu) Antibody Peroxidase Conjugated tested against Swine IgM. Each well was coated in duplicate with 1.0µg of antigen. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using TMB substrate (p/n TMBE-1000).

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.