Datasheet for 200-4362

Mutarotase Antibody Peroxidase Conjugated

Overview

Description:	Anti-Mutarotase (Porcine Kidney) (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-4362
Item No.:	200-4362
Size:	20 mg
Applications:	ELISA, WB
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Mutarotase is found especially in mammalian tissues that catalyzes the interconversion of anomeric forms of some sugars: α- and β- forms of d-glucose, l-arabinose, d-galactose, d-xylose, lactose, and maltose.
Synonyms:	rabbit anti-Mutarotase Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Mutarotase Antibody, Aldose 1 epimerase antibody, BLOCK25 protein antibody, Galactose mutarotase antibody, GALM antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GALM
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Mutarotase [Porcine Kidney]

Purity/Specificity:	Mutarotase 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-Rabbit Serum as well as purified and partially purified Mutarotase [Porcine Kidney]. Cross reactivity against Mutarotase from other tissues and species may occur but have not been specifically determined.
Relevant Links:	• UniProtKB - Q9GKX6 • NCBI - Q9GKX6.1 • GeneID - 399536

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Mutarotase Peroxidase Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Mutarotase [Porcine Kidney] 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 1:500 to 1:1,500 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:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

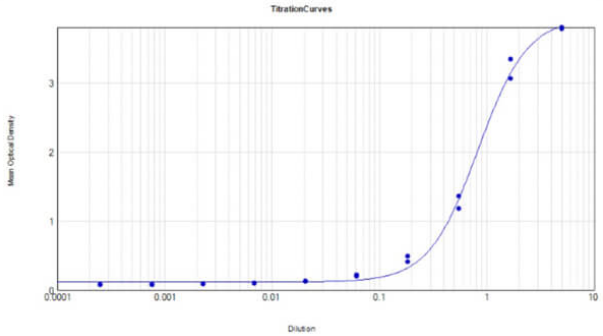
Formulation

Physical State:	Lyophilized
Concentration:	10 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)

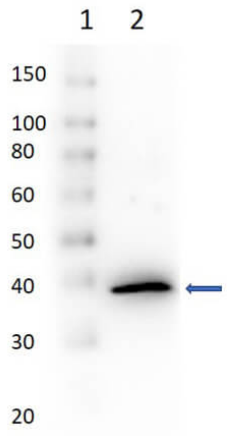
Shipping & Handling

Shipping Condition:	Ambient
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



ELISA
ELISA Results of Rabbit Anti-Mutarotase Antibody Peroxidase Conjugated tested against purified Mutarotase. Each well was coated in duplicate with 1.0 µg of Mutarotase. 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 Blocking buffer (p/n MB-076) and TMB substrate (p/n TMBE-1000).



Western Blot
Western Blot of Rabbit Anti-Mutarotase Antibody Peroxidase Conjugated. Lane 1: Molecular Weight Marker. Lane 2: Mutarotase [0.05µg]. Primary Antibody: Anti-Mutarotase HRP at 1:1000 overnight at 2-8°C. Secondary Antibody: none. Blocking: BlockOut Buffer (p/n MB-073) for 30mins at RT. Predicted MW: ~38kDa.

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.