

Datasheet for 200-4162S

Mutarotase Antibody**Overview**

Description:	Anti-Mutarotase (Porcine Kidney) (RABBIT) Antibody - 200-4162S
Item No.:	200-4162S
Size:	25 µL
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Aldose 1-epimerase (Mutarotase) converts alpha-aldose to the beta-anomer. It is active on D-glucose, L-arabinose, D-xylose, D-galactose, maltose and lactose. This protein is involved in the pathway hexose metabolism, which is part of Carbohydrate metabolism.
Synonyms:	rabbit anti-Mutarotase Antibody, Aldose 1 epimerase antibody, BLOCK25 protein antibody, Galactose mutarotase antibody, GALM antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GALM
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Mutarotase [Porcine Kidney]
Purity/Specificity:	Anti-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-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

Application Note: Mutarotase Antibody has been assayed against 1.0 ug of Mutarotase [Porcine Kidney] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 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 1:22,000 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:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

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.

Disclaimer

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