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Datasheet for 200-406-089S

Dextranase (Penicillium Species) Antibody Biotin Conjugated

Overview

Description:	Anti-Dextranase (Penicillium species) (RABBIT) Antibody Biotin Conjugated - 200-406-089S
Item No.:	200-406-089S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Penicillium
Host Species:	Rabbit

Product Details

Background:	Anti-Dextranase antibody is a transferase enzyme which catalyzes the synthesis of dextran by engaging in the endohydrolysis of 1, 6 alpha-D-glucosidic linkages in dextran. Belonging to the glycosyl hydrolase 49 family, Anti-Dextranase antibody is ideal for researchers interested in Metabolism and Signal Transduction research.
Synonyms:	rabbit anti-Dextranase Antibody biotin Conjugation, biotin Conjugated rabbit anti-Dextranase Antibody, dextranase, Alpha-1,6-glucan-6-glucanohydrolase, DEX
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DEX
Reactivity:	Penicillium
Immunogen Type:	Native Protein
Immunogen:	Dextranase [Penicillium species] DEX

Purity/Specificity:	Anti-Dextranase 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Dextranase [Penicillium species]. Cross reactivity against Dextranase from other sources is unknown.
Relevant Links:	• UniProtKB - P48845 • NCBI - AAB47720.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Dextranase Biotin Antibody has been tested by ELISA and western blot and is assayed against 1.0 ug of Dextranase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:3,000 to 1:14,000 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:	1:2,000 - 1:10,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

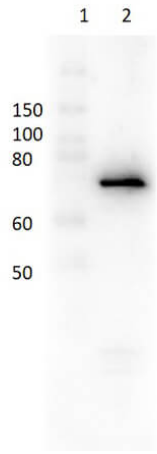
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

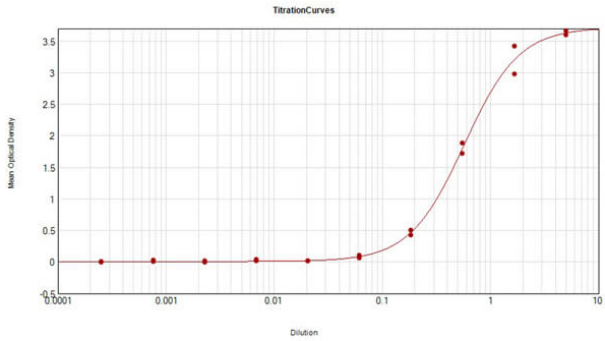
Shipping Condition:	Dry Ice

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.

Images



Western Blot
Western Blot of Anti-Dextranase Antibody Biotin Conjugated. Lane 1: Molecular Weight Marker. Lane 2: Dextranase. Primary Antibody: Rabbit Anti-Dextranase Biotin Conjugate at 1:1000 overnight at 2-8°C. Secondary Antibody: Streptavidin-HRP (p/n S000-03) at 1:40,000 for 30 min at RT. Block: BlockOut Buffer (p/n MB-073). Expected MW: ~66kDa.



ELISA
ELISA Results of Rabbit Anti-Dextranase Antibody Biotin Conjugated tested against purified Dextranase protein. Each well was coated in duplicate with 1.0 µg of Dextranase. 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 HRP Conjugate Stabilizer (p/n MB-076), Streptavidin-HRP conjugated (p/n S000-03), and TMB substrate (p/n TMBE-1000).

Disclaimer

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