

Datasheet for 200-406-089-0100

Dextranase (Penicillium Species) Antibody Biotin Conjugated

Overview

Description:	Anti-Dextranase (Penicillium species) (RABBIT) Antibody Biotin Conjugated - 200-406-089-0100
Item No.:	200-406-089-0100
Size:	100 µg
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: Lyophilized

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

Reconstitution Volume: 100 µL

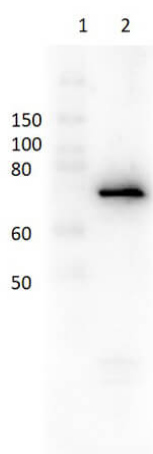
Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

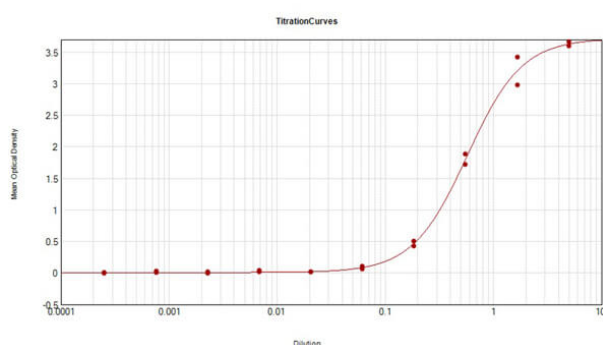
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an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

Images



Western Blot

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

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.