

## Product Datasheet

# Dextranase Antibody Peroxidase Conjugated (orb344724)

<b>Catalog Number</b>	orb344724
<b>Category</b>	Antibodies
<b>Description</b>	Dextranase antibody (Peroxidase)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	HRP
<b>Reactivity</b>	Algae
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	1.0 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Purity</b>	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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Dextranase [Penicillium species]. Cross reactivity against Dextranase from other sources is unknown.

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<b>Immunogen</b>	Dextranase [Penicillium species]
<b>UniProt ID</b>	<b>P48845</b>
<b>Tested applications</b>	ELISA, WB
<b>Dilution range</b>	ELISA: 1:2,000 - 1:10,000, WB: 1:500 - 1:5,000
<b>Application notes</b>	Anti-Dextranase Peroxidase has been tested by ELISA and western blot and assayed against 1.0 ug of Dextranase [Penicillium species] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:3,000 of the reconstitution concentration is suggested for this product.
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	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.
<b>Dry Ice Shipping</b>	<b>Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.</b>
<b>Note</b>	For research use only
<b>NCBI</b>	<b>AAB47720.1</b>
<b>Expiration Date</b>	12 months from date of receipt.

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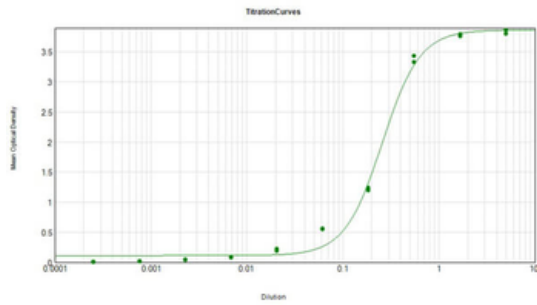
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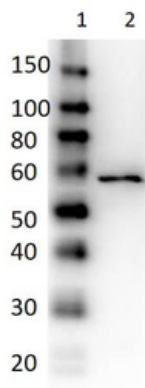
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ELISA Results of Rabbit Anti-Dextranase Antibody Peroxidase Conjugate tested against purified Dextranase. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of Dextranase. The starting dilution of antibody was 5  $\mu\text{g}/\text{ml}$  and 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 and TMB substrate (p/n orb348651).



Western Blot of Rabbit Anti-Dextranase Antibody Peroxidase Conjugated. Lane 1: Opal Prestained Molecular Weight Marker. Lane 2: Dextranase. Primary Antibody: Rabbit Anti-Dextranase at 1:1000 overnight at 2-8°C. Secondary Antibody: none. Block: orb348637. Expect MW: ~66kDa.

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