

Product Datasheet

Dextranase Antibody Peroxidase Conjugated (orb344723)

Description	Dextranase antibody (Peroxidase)
Species/Host	Rabbit
Reactivity	Algae
Conjugation	HRP
Tested Applications	ELISA, WB
Immunogen	Dextranase [Penicillium species]
Preservatives	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Storage	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.
Note	For research use only
Application notes	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]) code # ABTS-100 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.
Isotype	IgG

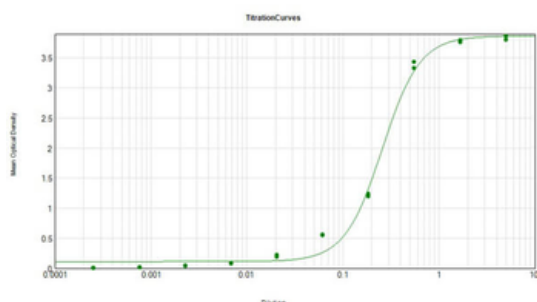
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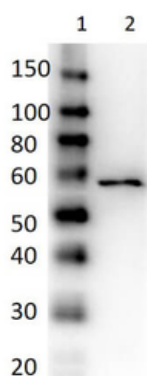
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Clonality	Polyclonal
Purity	Dextranase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the 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.
Uniprot ID	P48845
NCBI	AAB47720.1
Dilution Range	ELISA: 1:2,000 - 1:10,000, WB: 1:500 - 1:5,000
Expiration Date	12 months from date of receipt.



ELISA Results of Rabbit Anti-Dextranase Antibody Peroxidase Conjugate tested against purified Dextranase. Each well was coated in duplicate with 1.0 μg 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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