

Product Datasheet

Dextranase (Penicillium Species) Antibody Biotin Conjugated (orb344751)

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|----------------------------|---|
| Description | Dextranase antibody (Biotin) |
| Species/Host | Rabbit |
| Reactivity | Algae |
| Conjugation | Biotin |
| Tested Applications | ELISA, IP, WB |
| Immunogen | Dextranase [Penicillium species] DEX |
| Preservatives | 0.01% (w/v) 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 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-ethylbenthiiazoline-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. |
| Isotype | IgG |

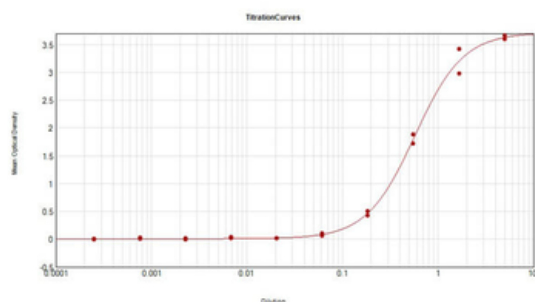
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

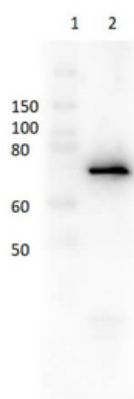
Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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|------------------------|--|
| Clonality | Polyclonal |
| Purity | 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. |
| Uniprot ID | P48845 |
| NCBI | AAB47720.1 |
| Dilution Range | ELISA: 1:2,000 - 1:10,000, IP: 1:100, WB: 1:500 - 1:5,000 |
| Expiration Date | 12 months from date of receipt. |



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 5 µg/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, Streptavidin-HRP conjugated (p/n orb348767), and TMB substrate (p/n orb348651).



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 orb348767) at 1:40000 for 30 min at RT. Block: BlockOut Buffer (p/n orb348644). Expected MW: ~66kDa.

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