

**Datasheet for 200-106-189-0100****Invertase Antibody Biotin Conjugated****Overview**

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Invertase (GOAT) Antibody Biotin Conjugated - 200-106-189-0100 |
| <b>Item No.:</b>     | 200-106-189-0100                                                    |
| <b>Size:</b>         | 100 µg                                                              |
| <b>Applications:</b> | WB                                                                  |
| <b>Reactivity:</b>   | Candida sp.                                                         |
| <b>Host Species:</b> | Goat                                                                |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Anti-Invertase antibody recognizes invertase which hydrolyzes the alpha-1,4-glycosidic bond between alpha-D-glucose and beta-D-fructose of sucrose. Bees use invertase to convert nectar to honey. In the confectionary industry, yeast-derived invertase is used to hydrolyze sucrose to glucose and fructose as fructose is more sweeter and less prone to crystallization. Anti-Invertase antibody is ideal for investigators interested in Metabolism and Cell Biology. |
| <b>Synonyms:</b>     | goat anti-Invertase Antibody biotin Conjugated, Biotin Conjugated goat anti-Invertase Antibody, Beta fructofuranosidase 2 antibody, Inv1 antibody, Saccharase antibody, Sucrase antibody                                                                                                                                                                                                                                                                                    |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugate:</b>    | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Target Details**

|                        |                             |
|------------------------|-----------------------------|
| <b>Gene Name:</b>      | SUC1                        |
| <b>Reactivity:</b>     | Candida sp.                 |
| <b>Immunogen Type:</b> | Native Protein              |
| <b>Immunogen:</b>      | Invertase [Candida species] |

**Purity/Specificity:** Anti-Invertase antibody 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-Goat Serum as well as purified and partially purified Invertase [*Candida* species]. Cross reactivity against Invertase from other sources is unknown.

**Relevant Links:**

- [UniProtKB - P10594](#)
- [NCBI - P40912.1](#)
- [GeneID - 3640338](#)

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Application Note:</b>    | Anti-Invertase antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Invertase 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 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                  |
| <b>ELISA:</b>               | 1:1,000 - 1:5,000                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>WB:</b>                  | 1:500 - 1:2,500                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Formulation

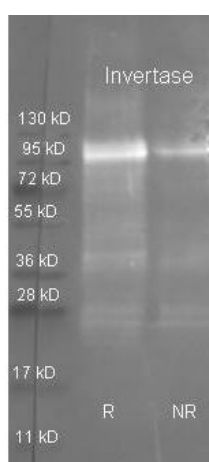
|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 1.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 100 µL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

**Shipping Condition:** Ambient

|                           |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Condition:</b> | 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. |
| <b>Expiration:</b>        | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Images



### Western Blot

Rockland Goat anti Invertase antibody (100-101-189 lot 6736) was used to detect purified invertase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target protein contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in MB-070). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT) . Images were collected using the BioRad VersaDoc System

## Disclaimer

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