

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

Description:	Anti-Invertase (GOAT) Antibody Biotin Conjugated (BULK ORDER) - 200-106-189
Item No.:	200-106-189
Size:	10 mg
Applications:	WB
Reactivity:	Candida sp.
Host Species:	Goat

Product Details

Background:	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.
Synonyms:	goat anti-Invertase Antibody biotin Conjugated, Biotin Conjugated goat anti-Invertase Antibody, Beta fructofuranosidase 2 antibody, Inv1 antibody, Saccharase antibody, Sucrase antibody
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SUC1
Reactivity:	Candida sp.
Immunogen Type:	Native Protein
Immunogen:	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

Tested Applications:	WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:500 - 1:3,000

Formulation

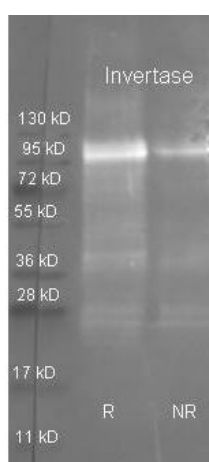
Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution 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

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

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.