

Datasheet for 200-106-092-0100**Anti-Uricase Antibody Biotin Conjugated****Overview**

Description:	Anti-Uricase (Bacillus species) (GOAT) Antibody Biotin Conjugated - 200-106-092-0100
Item No.:	200-106-092-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Bacillus sp.
Host Species:	Goat

Product Details

Background:	Uricase is a peroxisomal enzyme that catalyzes the conversion of urea to allantoin. Uricase performs this action by cleaving the purine ring of uric acid rendering it much more soluble within the body for excretion. Uricase within the Bacillus species is of high importance due to its high activity and thermostability over a wide range of pH's. Anti-Uricase Antibody is ideal for investigators in Cell Biology and Microbiology research.
Synonyms:	goat anti-uricase antibody, biotin conjugated goat anti-uricase antibody, Urate oxidase antibody, Factor-independent urate hydroxylase
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ABC3735
Reactivity:	Bacillus sp.
Immunogen Type:	Native Protein
Immunogen:	Uricase [Bacillus species]

Purity/Specificity: Anti-Uricase 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 Uricase [Bacillus species]. Cross reactivity against Uricase from other sources is unknown.

Relevant Links:

- [UniProtKB - Q5WBJ3](#)
- [NCBI - YP_177228.1](#)
- [GeneID - 3202700](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Uricase Antibody has been tested by ELISA and western blot. This product is suitable to be assayed against 1.0 ug of Uricase 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 1:53,000 of the reconstitution concentration is suggested for Anti-Uricase Antibody.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:1,000 - 1:2,500

IP: 1:100

WB: 1:500 - 1:1,000

Formulation

Physical State: Lyophilized

Concentration: 1.0 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: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

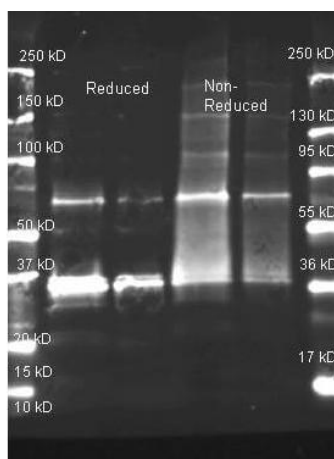
Shipping & Handling

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.

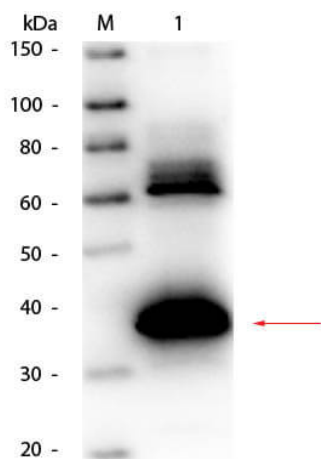
Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Rockland Goat anti Uricase antibody was used to detect purified Uricase under reducing and non-reducing conditions. Samples of ~1 and 0.25 ug of protein per lane were run by SDS-PAGE and reduced samples of purified Uricase contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed with Rockland Goat anti Uricase (200-101-092 lot 6732 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Rockland Dylight 649 conjugated Donkey anti Goat (605-743-125 1:10K 1.5 hr RT in MB-070 and imaged on the BioRad VersaDoc imaging system.



Western Blot

Western Blot of Goat anti-Uricase Antibody (Bacillus Species) Biotin Conjugated. Lane 1: Uricase (Bacillus). Load: 50 ng per lane. Primary antibody: Goat anti-Uricase Antibody (Bacillus Species) Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 39 kDa, 39 kDa for Uricase.

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.