

Datasheet for 200-103-092S**Uricase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Uricase (Bacillus species) (GOAT) Antibody Peroxidase Conjugated - 200-103-092S
Item No.:	200-103-092S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Bacillus sp.
Host Species:	Goat

Product Details

Background:	Anti-Uricase antibody detects uricase. Uricase is the peroxisomal enzyme responsible for the degradation of urate into allantoin. Uricase is a protein of 300 to 400 amino acids, its sequence is well conserved. It is mainly localized in the liver. In legumes, 2 forms of uricase are found: in the roots, the tetrameric form; and, in the uninfected cells of root nodules, a monomeric form, which plays an important role in nitrogen-fixation. Anti-Uricase antibody is ideal for investigators involved in Cell Signaling and Signal Transduction research.
Synonyms:	goat anti-uricase antibody, HRP conjugated goat anti-uricase antibody, Urate oxidase antibody
Host Species:	Goat
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ABC3735
Reactivity:	Bacillus sp.
Immunogen Type:	Native Protein
Immunogen:	Anti-uricase Antibody was produced by repeated immunizations with bacillus uricase protein.

Purity/Specificity: Anti-Uricase 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-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 and is suitable for IP. Researchers should determine optimal titers for applications that are not stated below.
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:	Liquid (sterile filtered)
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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

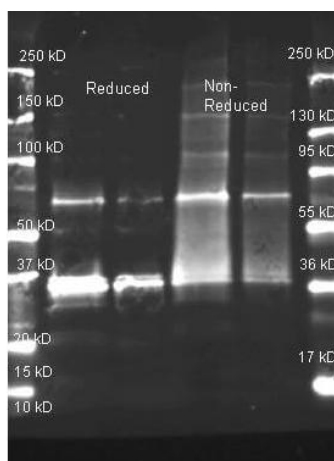
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

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

Images



Western Blot

Western Blot of Goat anti-Uricase Peroxidase Conjugated antibody. Lane 1: purified Uricase under reducing conditions. Lane 2: purified Uricase under reducing conditions. Lane 3: purified Uricase under non-reducing conditions. Lane 4: purified Uricase under non-reducing conditions. Load: ~1.0 µg (Lane 1 and 3) and 0.25 µg (Lane 2 and 4). Primary antibody: Uricase Peroxidase Conjugated Antibody at 1:5,000 overnight at 4°C. Secondary antibody: DyLight™ 649 goat secondary antibody at 1:10,000 for 90 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 58 kDa, 58 kDa for Uricase. Other band(s): Uricase splice variants and isoforms.

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.