

Datasheet for 200-4351S

Catalase Antibody Peroxidase Conjugated**Overview**

Description:	Anti-Catalase (Bovine Liver) (RABBIT) Antibody Peroxidase Conjugated - 200-4351S
Item No.:	200-4351S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Catalase is found in nearly all living organisms exposed to oxygen. It catalyzes the decomposition of hydrogen peroxide to water and oxygen. It is a very important enzyme in protecting the cell from oxidative damage by reactive oxygen species.
Synonyms:	rabbit anti-Catalase Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Catalase Antibody, Cas 1 antibody, CAT antibody, Cs1 antibody, MGC138422 antibody, MGC138424 antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CAT
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Catalase [Bovine Liver]

Purity/Specificity: Catalase 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-Rabbit Serum as well as purified and partially purified Catalase [Bovine Liver]. Cross reactivity against Catalase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P00432](#)
- [NCBI - AAI03067.1](#)
- [GenelD - 531682](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Catalase Peroxidase Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Catalase [Bovine Liver] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:40,000 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: 1:2,000 - 1:10,000

WB: 1:500- 1:2,500

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

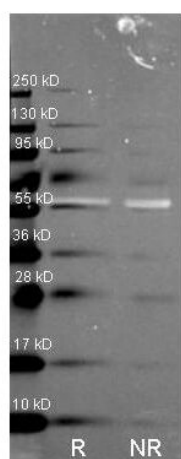
Shipping & Handling

Shipping Condition: Dry Ice

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 Rabbit anti-Catalase antibody. Lane R: Reduced samples of purified Catalase. Lane NR: Non-reduced samples of purified Catalase. Load: ~1µg of protein per lane. Primary antibody: Catalase antibody at 1:1000 for overnight at 4°C. Secondary antibody: Dylight488™ rabbit secondary antibody at 1:10,000 for 1.5 hrs at RT. Block: MB-070 overnight at 4°C. Predicted/Observed size: 59.9 kDa, 55 kDa for catalase. Other band(s): none.

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.