

Datasheet for 200-4342S

Arginase Antibody Peroxidase Conjugated**Overview**

Description:	Anti-Arginase (RABBIT) Antibody Peroxidase Conjugated - 200-4342S
Item No.:	200-4342S
Size:	25 µL
Applications:	Dot Blot
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Arginase is a manganese-containing enzyme belonging to the ureohydrolase family of enzymes. Arginase catalyzes the fifth and final step in the urea cycle, a series of biochemical reactions in mammals during which the body disposes of harmful ammonia. Specifically, arginase converts L-arginine into L-ornithine and urea.
Synonyms:	rabbit anti-Arginase Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Arginase Antibody, A I antibody, AI antibody, ARG 1 antibody, ARG1 antibody, Arginase 1 antibody, Arginase liver antibody, Arginase type I antibody, Arginase1 antibody, Liver type arginase antibody, Type I arginase antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ARG1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Arginase [Bovine Liver]

Purity/Specificity: Arginase 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 Arginase [Bovine Liver]. Cross reactivity against Arginase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - Q2KJ64](#)
- [NCBI - NP_001039619.1](#)
- [GenelD - 513608](#)

Application Details

Tested Applications: Dot Blot

Application Note: Anti-Arginase Peroxidase Antibody has been tested by dot blot and is suitable to be assayed against 1.0 ug of Arginase [Bovine Liver] in a standard capture ELISA using 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: 1:10,000 - 1:40,000

WB: 1:1,000 - 1:5,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 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

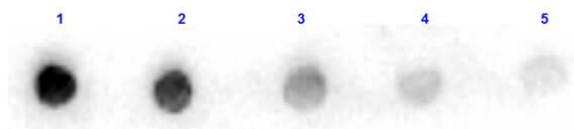
Shipping & Handling

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



Dot Blot

Dot Blot results of Rabbit Anti-Arginase Peroxidase Conjugated. Antigen: Arginase. Blot loaded at 3 fold dilution: 1. 100ng, 2. 33.3ng, 3. 11.1ng, 4. 3.70ng, 5. 1.23ng. Blocking: MB-070 Buffer for 30 minutes at RT. Primary Antibody: Rabbit Anti-Arginase HRP 10µg/mL for 1hr at RT. Secondary Antibody: none. Imaging System ChemiDoc, Filter used: Chemi.

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.