

**Datasheet for 200-4642-0100****Arginase Antibody Biotin Conjugated****Overview**

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Arginase (RABBIT) Antibody Biotin Conjugated - 200-4642-0100 |
| <b>Item No.:</b>     | 200-4642-0100                                                     |
| <b>Size:</b>         | 100 µg                                                            |
| <b>Applications:</b> | WB                                                                |
| <b>Reactivity:</b>   | Bovine                                                            |
| <b>Host Species:</b> | Rabbit                                                            |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Anti-Arginase antibody is localized in the cytoplasm and plays a key role in the Arginine Metabolism Urea Cycle. Anti-Arginase antibody, belonging to the arginase family, is ideal for researchers involved in Metabolism, Cancer, and Signal Transduction research.                                           |
| <b>Synonyms:</b>     | rabbit anti-Arginase Antibody biotin Conjugation, biotin 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 |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate:</b>    | Biotin                                                                                                                                                                                                                                                                                                          |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                        |                         |
|------------------------|-------------------------|
| <b>Gene Name:</b>      | ARG1                    |
| <b>Reactivity:</b>     | Bovine                  |
| <b>Immunogen Type:</b> | Native Protein          |
| <b>Immunogen:</b>      | Arginase [Bovine Liver] |

**Purity/Specificity:** Anti-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-Biotin, anti-Rabbit Serum as well as purified and partially purified Arginase [Bovine Liver]. Cross reactivity against Arginase from other sources is unknown.

**Relevant Links:**

- [UniProtKB - Q2KJ64](#)
- [NCBI - NP\\_001039619.1](#)
- [GeneID - 513608](#)

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Note:</b>    | Anti-Arginase Biotin Conjugated Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Arginase 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 1:1,000 to 1:4,000 of the reconstitution concentration is suggested for this product. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ELISA:</b>               | 1:1,000 - 1:5,000                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>WB:</b>                  | 1:200 - 1:1,000                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 1.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 100 µL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

**Shipping Condition:** Ambient

|                           |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Condition:</b> | 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. |
| <b>Expiration:</b>        | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Disclaimer

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