

# Product Datasheet

## Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125) [Alexa Fluor™ Plus 594] NBP2-47998AFP594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47998AFP594**

Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125) [Alexa Fluor™ Plus 594]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | ARG1/1125  |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG3 Kappa   |
| <b>Conjugate</b>               | Alexa Fluor Plus 594   |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 383  |
| <b>Gene Symbol</b>             | ARG1   |
| <b>Species</b>                 | Human  |
| <b>Reactivity Notes</b>        | Others not known.  |
| <b>Marker</b>                  | Hepatocellular Carcinoma Marker  |
| <b>Specificity/Sensitivity</b> | Recognizes a protein of 35-38kDa, which is identified as Arginase 1 (ARG1). Arginase is a manganese metallo-enzyme that catalyzes the hydrolysis of arginine to generate ornithine and urea. Arginase I and II are isoenzymes which differ in subcellular localization, regulation, and possibly function. Arginase I is a cytosolic enzyme, which is expressed mainly in the liver as part of the urea cycle, whereas arginase II is a mitochondrial protein found in a variety of tissues. Antibody to ARG-1 labels hepatocytes in normal tissues and granulocytes in peripheral blood. ARG-1 is a sensitive and specific marker for identification of hepatocellular carcinoma. |
| <b>Immunogen</b>               | Recombinant human Arginase 1/ARG1/liver Arginase protein fragment (around aa11-97) (exact sequence is proprietary) (Uniprot: P05089)   |

|              |  |
|--------------|--|
| <b>Notes</b> | <p>This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a>. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p> |
|--------------|--|

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Protein Array |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.           |



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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