

Recombinant Arginase 1 (Hepatocellular Carcinoma Marker) Antibody

Rabbit Monoclonal Antibody [Clone ARG1/8869R]

| Catalog No | Format | Size |
|-----------------|-----------------------------------|----------|
| 383-RBM17-P0 | Purified Ab with BSA and Azide | 200ug/ml |
| 383-RBM17-P1 | Purified Ab with BSA and Azide | 200ug/ml |
| 383-RBM17-P1ABX | Purified Ab WITHOUT BSA and Azide | 1.0mg/ml |

| Applications | Tested Dillution |
|----------------------------|------------------|
| Immunohistochemistry (IHC) | 1-2ug/ml |
| Western Blot (WB) | 2-4ug/ml |

| Product Details | |
|------------------------|---|
| Clone | ARG1/8869R |
| Gene Name | ARG1 |
| Immunogen | Recombinant human ARG1 protein fragment (aa1-200) (Exact sequence is proprietary) |
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG / Kappa |
| Mol. Weight of Antigen | 35-38kDa |
| Cellular Localization | Cytoplasm. |
| Species Reactivity | Human |
| Positive Control | 293T cells. Hepatocellular carcinoma (HCC) or liver. |

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Arginase 1 (Hepatocellular Carcinoma Marker) Antibody

Specificity & Comments

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.

Research Areas

Cardiovascular, Dendritic Cell Marker, Immunology

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT), (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.