Datasheet: 0555-5008

Description: MOUSE ANTI HUMAN ANGIOGENIN
Specificity: ANGIOGENIN
Format: S/N
Product Type: Monoclonal Antibody
Clone: MANG-1
Isotype: IgM
Quantity: 0.15 mg

RRID AB_2274027

Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

(1) Proteinase K pretreatment for antigen retrieval is recommended for use with paraffin sections. See Marioni et al. 2011

Target Species Human
Product Form Tissue Culture Supernatant - lyophilised
Reconstitution 500 µl sterile deionised water
Buffer Solution Phosphate buffered saline
Preservative Stabilisers 0.01% Thiomersal 1% Bovine Serum Albumin
Approx. Protein Concentrations IgG concentration 0.3 mg/ml
Immunogen Recombinant human angiogenin

Page 1 of 3
Mouse anti Human Angiogenin anibody, clone MANG-1 is a monoclonal antibody specific for angiogenin, a potent angiogenesis inducing polypeptide of approximately 16.5kDa responsible for inducing vascularization in both normal and malignant tissues through activation of vascular endothelium and smooth muscle cells and triggering a number of processes including cell migration and proliferation (Reviewed in Gao et al. 2008). Angiogenin, also known as ribonuclease 5, demonstrates tRNA specific ribonuclease activity (Saxena et al. 1992), this in turn is regulated by binding to the ribonuclease inhibitor RNH1 (Tuefel et al. 2003). Angiogenin exerts its vascular stimulation potential through binding to cytoplasmic actin on the surface of endothelial cells, followed by endocytosis and subsequent translocation to the nucleus.

Mouse anti Angiogenin, clone MANG1 stains single cells on human tonsil sections and endothelial cells in human terminal placenta. MANG-1 also demonstrates intense staining on carcinoma cells and of endothelial cells in intratumoral vessels (Marioni et al. 2010).

Histology Positive Control Tissue
Human tonsil

References
Guarantee

12 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation #10095 available at:

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgM (STAR138...) Alk. Phos.
Human Anti Mouse IgM (HCA040...) FITC

Recommended Negative Controls

MOUSE IgM NEGATIVE CONTROL (MCA692)