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## **Monoclonal Antibody to Human Angiogenin Ribonuclease 5**

Monoclonal antibody MANG-1 is useful for detecting human angiogenin, a potent vessel inducing basic polypeptide, with a unique ribonucleolytic activity.

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<b>Product Number:</b>	T-1140 (Lot 01PO9402)
<b>Clone:</b>	MANG1
<b>Host species, isotype:</b>	Mouse IgM
<b>Quantity:</b>	150µg
<b>Format:</b>	Tissue culture supernatant, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.3mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC); has been reported to work in ELISA.  <b>Approximate working dilution for IHC:</b> Frozen sections: 5µg/ml (1:60) Paraffin sections: 10µg/ml (1:30); Proteinase K pretreatment for antigen retrieval is recommended.  Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil.  Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Recombinant human angiogenin.
<b>Antigen, epitope:</b>	The antigen is angiogenin, the epitope has not been further characterized.
<b>Antigen distribution:</b>	<b>Tissue sections:</b> MANG-1 stains single cells on cryostat sections of human tonsil. In human terminal placenta endothelial cells are stained positive.

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### **Selected references**

FETT, J.W., STYRDOM, D., LOBB, R., ALDERMAN, E., BETHUNE, L., RIORDAN, J., VALLEE, B.: Isolation and Characterization of Angiogenin, an angiogenic Protein from Human Carcinoma Cells. *Biochemistry*: **24**, (1985) 5480-5486.

SHAPIRO, R. & VALLEE, B.L.: Human placental ribonuclease inhibitor abolishes both angiogenic and ribonucleolytic activities of angiogenin. *Proc. Natl. Acad. Sci.* **84**, (1987): 2238-2241.

KURACHI, K., DAVIE, E.W., STRYDOM, D.J., RIORDAN, J.F., VALLEE, B.L.: Sequence of the cDNA and Gene for Angiogenin, a human Angiogenesis Factor. *Biochemistry*: **24** (1985): 5494-5499).

For in vitro research only. Caution: this product contains thimerosal, a poisonous and hazardous substance.