



Peninsula Laboratories, LLC

A Member of the Bachem Group

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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.

Product Number:	T-1140
Clone:	MANG1
Host species, isotype:	Mouse IgM
Quantity:	150µg
Format:	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.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been reported to work in ELISA. Approximate working dilution for IHC: 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.
Immunogen:	Recombinant human angiogenin.
Antigen, epitope:	The antigen is angiogenin, the epitope has not been further characterized.
Antigen distribution:	Tissue sections: 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

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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.