

# ANGPT1 mouse monoclonal antibody (hybridoma)

Catalog # H00000284-M

Size Up to 5 Clones

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full-length recombinant ANGPT1.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>                     | ANGPT1 (NP_001137.2, 1 a.a. ~ 498 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>                      | MTVFLSFAFLAAILTHIGCSNQRRSPENSGRRYNRIQHGQCAYFILPEHDGNCRESTTDQYNTNAL<br>QRDAPHVEPDFSSQKLQHLEHVMENYTQWLQKLENYVENMKSEMAQIQQNAVQNHTATMLEIGT<br>SLLSQTAEQTRKLTDVETQVLNQTSRLEIQLLLENSLSTYKLEKQLLQQTNEILKIHEKNSLLEHKILEM<br>EGKHKEELDTLKEEKENLQGLVTRQTYIQELEKQLNRATTNNSVLQKQQLELMDTVHNLVNLCTK<br>EGVLLKGGKREEEKPFRCADVYQAGFNKSGIYTYNNMPEPKKVFCNMDVNGGGWTVIQHRED<br>GSLDFQRGWKEYKMGFGNPSGEYWLGNFIFAITSQRQYMLRIELMDWEGNRAYSQYDRFHIGNE<br>KQNYRLYLKGHGTAGKQSSILHGADFTSKDADNDNCMCKCALMLTGGWWFDACGPSNLNGM<br>FYTAGQNHGKLNIGIKWHYFKGPSYSLRSTTMMIRPLDF |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Interspecies Antigen Sequence</b> | Mouse (97)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Quality Control Testing</b>       | Antibody reactivity and specificity confirmed by ELISA and Western Blot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Deliverables</b>                  | Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Note</b>                          | Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.                                                                                                                                                                                                                                                                                                                                              |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — ANGPT1

Entrez GeneID [284](#)

GeneBank Accession# [NM\\_001146.3](#)

Protein Accession# [NP\\_001137.2](#)

Gene Name ANGPT1

Gene Alias AGP1, AGPT, ANG1

Gene Description angiopoietin 1

Omim ID [601667](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. [provided by RefSeq]

Other Designations -

## Disease

- [Angina Pectoris](#)
- [Coronary Disease](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Hypercholesterolemia](#)
- [Liver Cirrhosis](#)
- [Myocardial Infarction](#)
- [Stroke](#)