

Mouse Angiopoietin-2 ELISA Kit | ANGPT2 elisa kit

Mouse Angiopoietin-2 PicoKine ELISA Kit

CATALOG #
AAA45535

REACTIVITY
Mouse

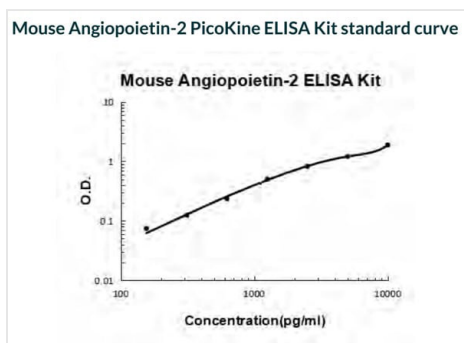
PRODUCT SYNONYMS

Angiopoietin-2; Mouse Angiopoietin-2 PicoKine ELISA Kit; Angiopoietin 2; angiopoietin 2; AGPT2; ANG 2; ANG-2; ANG2; Angiopoietin 2a; Angiopoietin 2B; Angiopoietin2; ANGP2_HUMAN; ANGPT 2; Angpt2; Tie2 ligand; ANGPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Angpt2
Sequence Length	496
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
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Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANGPT2 elisa kit	Background: Angiopoietin-2 is a protein that in humans is encoded by the ANGPT2 gene. Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. ANGPT2 is a naturally occurring antagonist of angiopoietin-1 that competes for binding to the TIE2 receptor and blocks ANGPT1-induced TIE2 autophosphorylation during vasculogenesis. Its expression occurs at sites of vascular remodelling: dorsal aorta and major aortic branches, ovary, placenta and uterus. Principle of the Assay: The Picokine™ Mouse Angpt2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Angpt2 with a 96-well strip plate that is pre-coated with antibody specific for Angpt2. The detection antibody is a biotinylated antibody specific for Angpt2. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Angpt2 with immunogen: Expression system for standard: CHO; Immunogen sequence: M1-F496. The kit is analytically validated with ready-to-use reagents. To measure Mouse Angpt2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Angpt2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Angpt2 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	11601
UniProt Accession #	B9EHQ4; O35608
Molecular Weight	56,576 Da
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	Angpt2
NCBI Official Synonym Symbols	Ang2; Agpt2; Ang-2
NCBI Protein Information	angiopoietin-2
UniProt Protein Name	Angiopoietin 2
UniProt Gene Name	Angpt2
UniProt Entry Name	B9EHQ4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/angpt2-mouse-elisa-kits/angiopoietin-2/45535>