

Mouse Angiopoietin-1 ELISA Kit | ANGPT1 elisa kit

Mouse Angiopoietin-1 PicoKine ELISA Kit

CATALOG #
AAA45763

REACTIVITY
Mouse

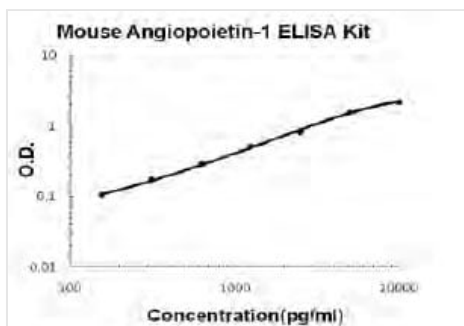
PRODUCT SYNONYMS

Angiopoietin-1; Mouse Angiopoietin-1 PicoKine ELISA Kit; angiopoietin 1; 1110046O21Rik; AGP 1; AGP1; AGPT; ANG 1; ANG1; Angiopoietin1; ANGPT 1; ANGPT1; KIAA0003; ANGPT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Angpt1
Sequence Length	498
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, edta)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/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.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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 ANGPT1 elisa kit	Principle of the Assay: The Picokine™ Mouse Angpt1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Angpt1 with a 96-well strip plate that is pre-coated with antibody specific for Angpt1. The detection antibody is a biotinylated antibody specific for Angpt1. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Angpt1 with immunogen: Expression system for standard: NSO; Immunogen sequence: H16-F497. The kit is analytically validated with ready to use reagents. To measure Mouse Angpt1, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Angpt1 in the sample. Read the density 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 Angpt1 in the sample. Background/Introduction: Angiopoietin 1, also called ANG1 is a type of angiopoietin and is encoded by the gene ANGPT1. 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. This gene was mapped to 8q23.1. 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 and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940219
NCBI GeneID	11600
UniProt Accession #	O08538; Q6NWX7
Molecular Weight	57,519 Da
NCBI Official Full Name	Angiopoietin-1
NCBI Official Synonym Full Names	angiopoietin 1
NCBI Official Symbol	Angpt1
NCBI Official Synonym Symbols	Ang1; Ang-1; 1110046O21Rik
NCBI Protein Information	angiopoietin-1
UniProt Protein Name	Angiopoietin-1
UniProt Gene Name	Angpt1
UniProt Synonym Gene Names	Agpt; ANG-1
UniProt Entry Name	ANGP1_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/angpt1-mouse-elisa-kits/angiopoietin-1/45763>