Mouse Angiopoietin-1 ELISA Kit | ANGPT1 elisa kit

Mouse Angiopoietin-1 ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA261790	**Mouse**	**ELISA**

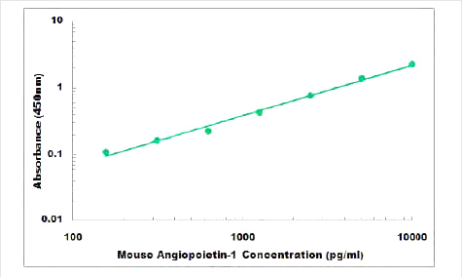
PRODUCT SYNONYMS

Angiopoietin-1; Mouse Angiopoietin-1 ELISA Kit; KIAA0003; ANG-1; ANGPT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Angiopoietin-1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Angiopoietin-1 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	498
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for ANGPT1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANGPT1 elisa kit	Principle of the Assay||The Mouse Angiopoietin-1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Angiopoietin-1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse Angiopoietin-1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Angiopoietin-1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Angiopoietin-1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Angiopoietin-1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	341940219
NCBI GeneID	11600
UniProt Accession #	O08538; Q6NWV7
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://www.aaabiotech.com/angpt1-mouse-elisa-kits/angiopoietin-1/261790