

Rat Angiopoietin-2 ELISA Kit | ANGPT2 elisa kit

Rat Angiopoietin-2 ELISA Kit

CATALOG #
AAA263152

REACTIVITY
Rat

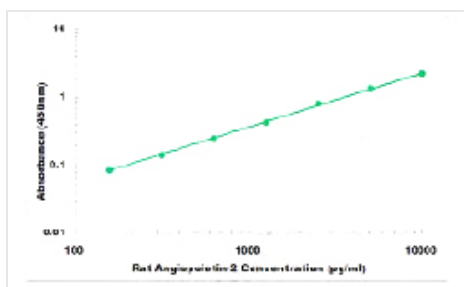
PRODUCT SYNONYMS

Angiopoietin-2; Rat Angiopoietin-2 ELISA Kit; ANG-2; ANGPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat Angiopoietin-2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat Angiopoietin-2 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	496
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
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 ANGPT2 elisa kit

Principle of the Assay: The Rat Angiopoietin-2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat Angiopoietin-2 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat Angiopoietin-2 coated on a 96-well plate. Standards and samples are pipetted into the wells and Angiopoietin-2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat Angiopoietin-2 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-2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	198278529
NCBI GeneID	89805
NCBI Accession #	NP_604449.1
NCBI GenBank Nucleotide #	NM_134454.1
UniProt Accession #	O35462; Q548N5; B1WBY0
Molecular Weight	56,518 Da
NCBI Official Full Name	angiopoietin-2
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	Angpt2
NCBI Official Synonym Symbols	Agpt2; Ang-2
NCBI Protein Information	angiopoietin-2
UniProt Protein Name	Angiopoietin-2
UniProt Gene Name	Angpt2
UniProt Synonym Gene Names	Agpt2; ANG-2
UniProt Entry Name	ANGP2_RAT

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/angpt2-rat-elisa-kits/angiopoietin-2/263152>