

Rat Angiopoietin-2 ELISA Kit | ANGPT2 elisa kit

Rat Angiopoietin-2 PicoKine ELISA Kit

CATALOG #
AAA46798

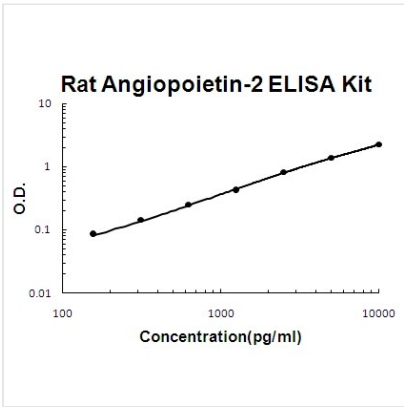
REACTIVITY
Rat

PRODUCT SYNONYMS

Angiopoietin-2; Rat Angiopoietin-2 PicoKine ELISA Kit; ANG 2; ANG2; ANG-2; Angiopoietin 2; Angiopoietin2; Angiopoietin2(ANG2); Angiopoietin-2(ANG-2); ANGPT2; ANGPT2; O15123; ANGPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat Angiopoietin-2
Sequence Length	496
Assay Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	20-25
Immunogen	NSO, Y19-F496
Sample Data	Concentration(pg/ml): 0 156 312 625 1250 2500 5000 10000 O.D.: 0.032 0.085 0.143 0.248 0.423 0.816 1.359 2.231
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 417 1330 5235 504 1461 5560 Standard Deviation: 16.26 59.85 266.99 28.73 94.97 422.56 CV(%): 3.9 4.5 5.1 5.7 6.5 7.6
Assay Procedure Step 1	Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml rat Angiopoietin-2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat Angiopoietin-2 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat Angiopoietin-2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ANGPT2 elisa kit	For quantitative detection of rat Angiopoietin-2 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). 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: Rat Angiopoietin-2 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for Angiopoietin-2 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: Y19-F496) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Angiopoietin-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP subRate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Angiopoietin-2 amount of sample captured in plate.
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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

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-rat-elisa-kits/angiopoietin-2/46798>