

Rat Angiopoietin 2 (ANGPT2) ELISA Kit | ANGPT2 elisa kit

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CATALOG #
AAA64758

REACTIVITY
Rat

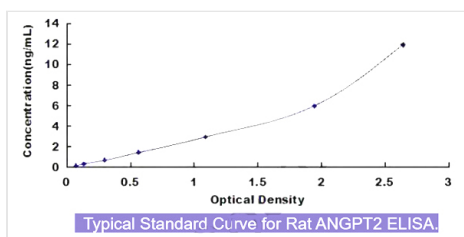
PRODUCT SYNONYMS

Angiopoietin 2 (ANGPT2); Rat Angiopoietin 2 (ANGPT2) ELISA Kit; ANG2; AGPT2; ANGPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ANGPT2. No significant cross-reactivity or interference between ANGPT2 and analogues was observed.
Sequence Length	496
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma or other biological fluids
Detection Range	0.187-12ng/mL
Sensitivity	< 0.09ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ANGPT2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ANGPT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANGPT2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ANGPT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ANGPT2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ANGPT2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ANGPT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ANGPT2 in rat serum, plasma or other biological fluids.
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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
UniProt Synonym Gene Names	Agpt2; ANG-2

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.