

Rat Angiopoietin 2 ELISA Kit | ANG2 elisa kit

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CATALOG #
AAA16257

REACTIVITY
Rat

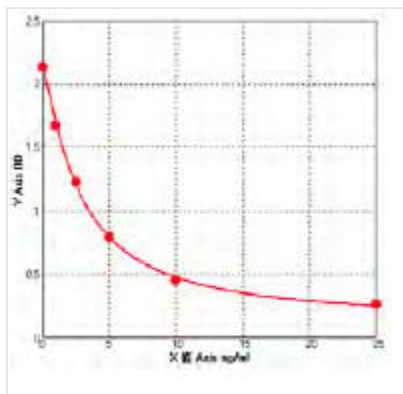
PRODUCT SYNONYMS

Angiopoietin 2; Rat Angiopoietin 2 ELISA Kit; ANG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ANGPT-2. No significant cross-reactivity or interference between ANGPT-2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ANGPT-2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANG2 elisa kit	Intended Uses: This ANGPT-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ANGPT-2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ANGPT-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANGPT-2 antibody and an ANGPT-2-HRP conjugate. The assay sample and buffer are incubated together with ANGPT-2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ANGPT-2 concentration since ANGPT-2 from samples and ANGPT-2-HRP conjugate compete for the anti-ANGPT-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANGPT-2 from the sample, fewer sites are left to bind ANGPT-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANGPT-2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ANG2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	169646754
NCBI GeneID	285
NCBI Accession #	NP_001112360.1
NCBI GenBank Nucleotide #	NM_001118888.1
Molecular Weight	56,848 Da
NCBI Official Full Name	angiotensinogen-2 isoform c
NCBI Official Synonym Full Names	angiotensin 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiotensinogen-2; ANG-2; Tie2-ligand; angiotensinogen-2B; angiotensinogen-2a
UniProt Protein Name	Angiotensinogen-2
UniProt Gene Name	ANGPT2
UniProt Synonym Gene Names	ANG-2
UniProt Entry Name	ANGP2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ang2-rat-elisa-kits/angiotensinogen-2/16257>