

Mouse Angiopoietin 2 ELISA Kit | ANG2 elisa kit

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CATALOG #
AAA16457

REACTIVITY
Mouse

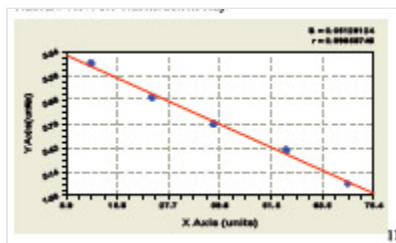
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This Ang2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Ang2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for ANG2 elisa kit

Principle of the assay: Ang2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Ang2 antibody and an Ang2-HRP conjugate. The assay sample and buffer are incubated together with Ang2-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 Ang2 concentration since Ang2 from samples and Ang2-HRP conjugate compete for the anti-Ang2 antibody binding site. Since the number of sites is limited, as more sites are occupied by Ang2 from the sample, fewer sites are left to bind Ang2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Ang2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANG2 elisa kit

[Signal Transduction](#)

References

[Limitations of the dorsal skinfold window chamber model in evaluating anti-angiogenic therapy during early phase of angiogenesis.](#) Nikolett M Biel, Jennifer A Lee, Brian S Sorg and Dietmar W Siemann (2014)

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	angiopoietin-2 isoform c
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiopoietin-2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a
UniProt Protein Name	Angiopoietin-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.

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Online datasheet: <https://stage.aaabiotech.com/ang2-mouse-elisa-kits/angiopoietin-2/16457>