

Human Angiopoietin 2 (ANGPT2) CLIA Kit | ANGPT2 clia kit

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CATALOG # AAA188772	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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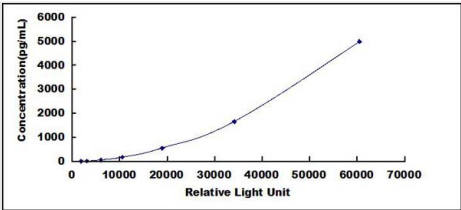
PRODUCT SYNONYMS

Angiopoietin 2 (ANGPT2); Human Angiopoietin 2 (ANGPT2) CLIA Kit; Angiopoietin 2; ANG2; AGPT2; ANGPT2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Angiopoietin 2 (ANGPT2). No significant cross-reactivity or interference between Angiopoietin 2 (ANGPT2) and analogues was observed.
Sequence Length	444
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	6.9-5,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 2.9pg/mL
Applicable Applications for ANGPT2 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Angiopoietin 2 (ANGPT2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Angiopoietin 2 (ANGPT2) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Angiopoietin 2 (ANGPT2). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Angiopoietin 2 (ANGPT2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Angiopoietin 2 (ANGPT2) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	169646754
NCBI GeneID	285
NCBI Accession #	NP_001112360.1
NCBI GenBank Nucleotide #	NP_001112360.1
UniProt Accession #	O15123
NCBI Official Full Name	angiotensinogen-converting enzyme 2 isoform c
NCBI Official Synonym Full Names	angiotensinogen converting enzyme 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiotensinogen-converting enzyme 2
UniProt Protein Name	Angiotensinogen-converting enzyme 2
UniProt Gene Name	ANGPT2
UniProt Synonym Gene Names	ANG-2
UniProt Entry Name	ANGPT2_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/human-clia-kits/angiotensinogen-converting-enzyme-2-angpt2/188772>