

## Goat Angiopoietin 2 ELISA Kit | ANG2 elisa kit

Goat Angiopoietin 2 ELISA Kit

CATALOG #  
**AAA93470**

REACTIVITY  
**Goat**

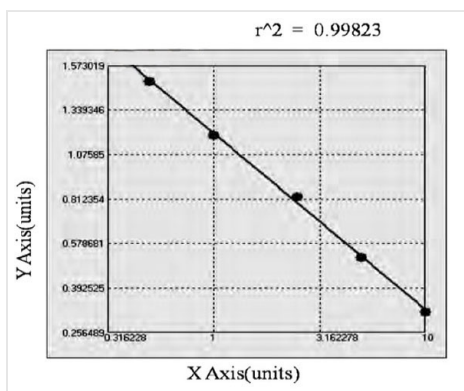
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                            |
| Intended Uses           | This ANG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat ANG2. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

### 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.

## 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                | <b>ANGPT2</b>                                                        |
| 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.