

## ARG81336 Human Angiopoietin 2 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81336 Human Angiopoietin 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Angiopoietin 2 in serum and cell culture supernatant.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Recognizes natural and recombinant Angiopoietin 2. No cross reactivity with VEGF-A, GM-CSF, IL-34, IL-29 IFN $\gamma$ , IL-2, IL-10, CD138, MICB, MCP-1.
Target Name	Angiopoietin 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	25 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	125 - 4000 pg/ml
Sample Volume	50 $\mu$ l
Alternate Names	ANG-2; Angiopoietin-2; ANG2; AGPT2

### Application Instructions

Assay Time	~ 4 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	ANGPT2
Gene Full Name	angiopoietin 2
Background	The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic

inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal. [UniProt]

#### Highlight

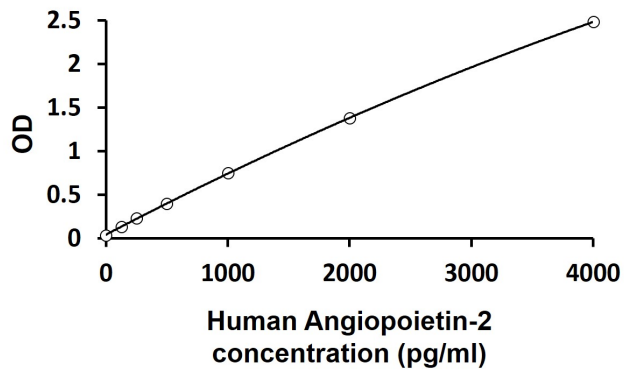
Related products:

[Angiopoietin antibodies](#); [Angiopoietin ELISA Kits](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

#### Images



ARG81336 Human Angiopoietin 2 ELISA Kit standard curve image

ARG81336 Human Angiopoietin 2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.