

## ARG83434 Human Plasminogen ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83434 Human Plasminogen ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Plasminogen in Serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This ELISA kit is specific to Angiostatin K1-3.
Target Name	Plasminogen
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Alternate Names	EC 3.4.21.7; Plasminogen

### Application Instructions

Assay Time	3.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 4°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	PLG
Gene Full Name	plasminogen
Background	The protein encoded by this gene is a secreted blood zymogen that is activated by proteolysis and converted to plasmin and angiostatin. Plasmin dissolves fibrin in blood clots and is an important protease in many other cellular processes while angiostatin inhibits angiogenesis. Defects in this gene are likely a cause of thrombophilia and ligneous conjunctivitis. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2009]
Function	Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator,

collagenases and several complement zymogens, such as C1 and C5. Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells.

Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo. [UniProt]

PTM

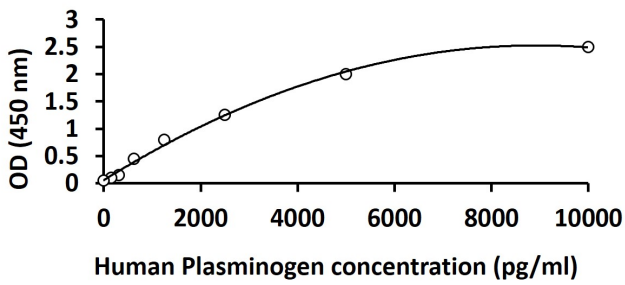
Cleavage on pair of basic residues, Disulfide bond, Glycoprotein, Phosphoprotein, Zymogen

Cellular Localization

Secreted. Note=Locates to the cell surface where it is proteolytically cleaved to produce the active plasmin. Interaction with HRG tethers it to the cell surface. [UniProt]

## Images

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ARG83434 Human Plasminogen ELISA Kit standard curve image

ARG83434 Human Plasminogen ELISA Kit results of a typical standard run with optical density reading at 450 nm.