

ARG81078 Human plasminogen (total) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81078-001	Antibody-coated microplate	1 plate (96 well)	4°C
ARG81078-002	10X Wash buffer	50 ml	4°C
ARG81078-003	Human Plasminogen standard	1 vial (Lyophilized)	4°C
ARG81078-004	Anti-Human Plasminogen primary antibody	1 vial (Lyophilized)	4°C
ARG81078-005	HRP-conjugated secondary antibody	1 vial (concentrated)	4°C
ARG81078-006	TMB substrate	10 ml	4°C (Protect from light)

Summary

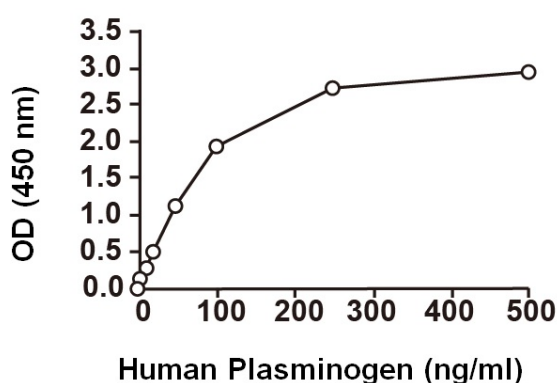
Product Description	ARG81078 Human plasminogen (total) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human plasminogen (total) in plasma, serum and cell culture media.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	plasminogen
Conjugation	HRP
Conjugation Note	TMB substrate is used for color development at 450 nm.
Sensitivity	0.11 ng/ml
Detection Range	0.5 - 500 ng/ml
Sample Type	Plasma, serum and cell culture media
Alternate Names	EC 3.4.21.7; Plasminogen

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.

Database links	GeneID: 5340 Human Swiss-port # P00747 Human
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	<p>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.</p> <p>Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo. [UniProt]</p>
Highlight	Related products: Plasminogen antibodies ; Plasminogen ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Cell Biology and Cellular Response kit
PTM	N-linked glycan contains N-acetylglucosamine and sialic acid. O-linked glycans consist of Gal-GalNAc disaccharide modified with up to 2 sialic acid residues (microheterogeneity). In the presence of the inhibitor, the activation involves only cleavage after Arg-580, yielding two chains held together by two disulfide bonds. In the absence of the inhibitor, the activation involves additionally the removal of the activation peptide.

Images



ARG81078 Human plasminogen (total) ELISA Kit standard curve image

ARG81078 Human plasminogen (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm.