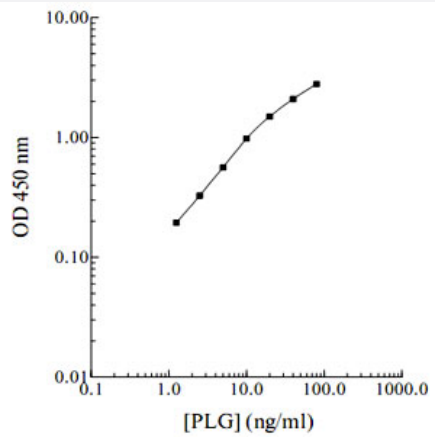
PLG (Human) ELISA Kit

Catalog # KA0494 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PLG (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human PLG.
Suitable Sample	Cell Culture Supernatant, CSF, Milk, Plasma, Saliva, Serum, Tissue Sample and Urine
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	1.25 to 80 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

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Applications

- Quantification

Gene Info — PLG

Entrez GeneID	5340
Gene Name	PLG
Gene Alias	DKFZp779M0222
Gene Description	plasminogen
Omim ID	173350 217090
Gene Ontology	Hyperlink
Gene Summary	Plasminogen (PLG) is a circulating zymogen that is converted to the active enzyme plasmin by cleavage of the peptide bond between arg560 and val561, which is mediated by urokinase (PLAU; MIM 191840) and tissue plasminogen activator (PLAT; MIM 173370). The main function of plasmin is to dissolve fibrin (see, e.g., FGA, MIM 134820) clots. Plasmin, like trypsin, belongs to the family of serine proteinases (Miyata et al., 1982 [PubMed 6216475]; Forsgren et al., 1987 [PubMed 3030813]).[supplied by OMIM
Other Designations	OTTHUMP00000017544

Publication Reference

- Gene manipulation and transfer of the plasminogen and coagulation system in mice.

  Carmeliet P, Collen D.

  Seminars in Thrombosis and Hemostasis 1996 Jan; 22(6):525.

- Basic and clinical aspects of fibrinolysis and thrombolysis.

  Collen D, Lijnen HR.

  Blood 1991 Dec; 78(12):3114.

  Application: Quant, Human, Human plasma

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- Molecular cloning and characterization of a full-length cDNA clone for human plasminogen.

  Forsgren M, Raden B, Israelsson M, Larsson K, Heden LO.

  FEBS Letters 1987 Mar; 213(2):254.

Pathway

- Complement and coagulation cascades
- Neuroactive ligand-receptor interaction

Disease

- Alzheimer disease
- Aspergillosis
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Inflammation
- Liver Cirrhosis
- Lung Diseases
- Premature Birth
- Venous Thrombosis

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