

Canine Plasminogen (PLG) ELISA Kit | PLG elisa kit

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CATALOG #
AAA190408

REACTIVITY
Canine

PRODUCT SYNONYMS

Plasminogen (PLG); Canine Plasminogen (PLG) ELISA Kit; RP1-81D8.1; DKFZp779M0222; plasmin; PLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Canine PLG. No significant cross-reactivity or interference between Canine PLG and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	39pg/mL
Detection Wavelength	450nm
Assay Duration	1-4.5h
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Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. $CV (\%) = SD/mean \times 100$ Intra-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate PLG in samples. An antibody specific for PLG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PLG bound in the initial step. The color development is stopped and the intensity of the color is measured.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130314
NCBI GeneID	403602
UniProt Accession #	P80009
Molecular Weight	92,000
NCBI Official Full Name	Plasminogen

NCBI Official Symbol	PLG
NCBI Protein Information	plasminogen
UniProt Protein Name	Plasminogen
UniProt Gene Name	PLG
UniProt Entry Name	PLMN_CANFA

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.

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Online datasheet: <https://www.aaabiotech.com/canine-elisa-kits/plasminogen-plg/190408>