

Mouse Prekallikrein ELISA Kit | KLKB1 elisa kit

Mouse Prekallikrein Total Antigen Assay ELISA kit

CATALOG # AAA37863	REACTIVITY Mouse
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PRODUCT SYNONYMS

Prekallikrein; Mouse Prekallikrein Total Antigen Assay ELISA kit; KLKB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes total mouse prekallikrein. Pooled normal plasma from rat, rabbit, dog, pig, sheep, horse, human, cyno monkey and rhesus monkey was assayed and no significant cross-reactivity was observed.
Sequence Length	638
Samples	Mouse Plasma.
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision
Inter-assay Precision	These studies are currently in progress. Please contact us for more information.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for KLKB1 elisa kit	Intended Uses: This mouse prekallikrein total antigen assay is intended for the quantitative determination of total prekallikrein antigen in mouse plasma. For research use only. Principle of the Assay: Mouse prekallikrein will bind to the monoclonal capture antibody coated on the microtiter plate. Prekallikrein and kallikrein will react with the antibody on the plate. After appropriate washing steps, anti-mouse prekallikrein primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with horseradish peroxidase conjugated streptavidin. Following an additional washing step, TM B substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of mouse prekallikrein. Color development is proportional to the concentration of total prekallikrein in the samples!!Background/Introduction: Prekallikrein is the glycosylated single chain zymogen precursor of the plasma serine protease kallikrein. Plasma prekallikrein circulates with kininogen and is activated by Factor XIIa in the intrinsic coagulation pathway. Kallikrein activates plasminogen in fibrinolysis and cleaves kininogen in the bradykinin system of vasodilation. Prekallikrein deficiency is rare and causes increased activated partial thromboplastin time [1]. Elevated plasma prekallikrein is associated with diabetes [2] and cardiovascular disease [3].
Product Categories/Family for KLKB1 elisa kit	Mouse Prekallikrein ELISA Kits ; Mouse Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	236465805
NCBI GeneID	16621
NCBI Accession #	NP_032481.2
NCBI GenBank Nucleotide #	NM_008455.3
UniProt Accession #	P26262; Q8R0P5

Molecular Weight	71,383 Da
NCBI Official Full Name	plasma kallikrein preproprotein
NCBI Official Synonym Full Names	kallikrein B, plasma 1
NCBI Official Symbol	Klkb1
NCBI Official Synonym Symbols	APS; PSA; Kal3; Klk3; Kal-3
NCBI Protein Information	plasma kallikrein
UniProt Protein Name	Plasma kallikrein
UniProt Gene Name	Klkb1
UniProt Synonym Gene Names	Klk3; Pk

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/klkb1-mouse-elisa-kits/prekallikrein/37863>