

Mouse Lumican ELISA Kit | LUM elisa kit

Mouse Lumican PicoKine ELISA Kit

CATALOG #
AAA45783

REACTIVITY
Mouse

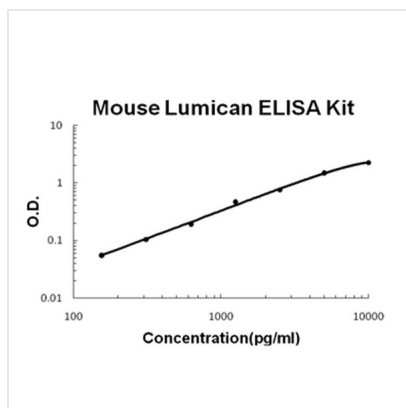
PRODUCT SYNONYMS

Lumican; Mouse Lumican PicoKine ELISA Kit; lumican; Keratan sulfate proteoglycan lumican; KSPG Lumican; LDC; LUM; LUM_HUMAN; Lumican precursor; SLRR2D; LUM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Lumican
Sequence Length	338
Samples	Cell culture supernates, serum and plasma(heparin).
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Lumican PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LUM elisa kit	Principle of the Assay Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. Background/Introduction: Lumican, also known as LUM, is a protein which in humans is encoded by the LUM gene. This gene is a member of the small interstitial proteoglycan gene (SIPG) family, and it is a keratan sulfate proteoglycan which presents large quantities in the corneal stroma and in interstitial collagenous matrices of the heart, aorta, skeletal muscle, skin, and intervertebral discs. Lumican is mapped to 12q21.33, it interacts with collagen and limits growth of fibrils in diameter. In the cornea, Lumican not only interacts with collagen molecules to limit fibril growth, but also plays a critical role in the regular spacing of fibrils and acquisition of corneal transparency by virtue of its keratan sulfate-containing glycosaminoglycan side chains LDC.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21542415
NCBI GeneID	17022
UniProt Accession #	P51885; Q3TP25; Q99JZ3; Q9CXK0
Molecular Weight	38,265 Da
NCBI Official Full Name	Lumican
NCBI Official Synonym Full Names	lumican
NCBI Official Symbol	Lum
NCBI Official Synonym Symbols	Ldc; SLRR2D
NCBI Protein Information	lumican; KSPG lumican; keratan sulfate proteoglycan lumican
UniProt Protein Name	Lumican
UniProt Gene Name	Lum
UniProt Synonym Gene Names	Lcn; Ldc; KSPG lumican
UniProt Entry Name	LUM_MOUSE

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.