

## Rat Lumican ELISA Kit | LUM elisa kit

Rat Lumican PicoKine ELISA Kit

CATALOG #  
**AAA45970**

REACTIVITY  
**Rat**

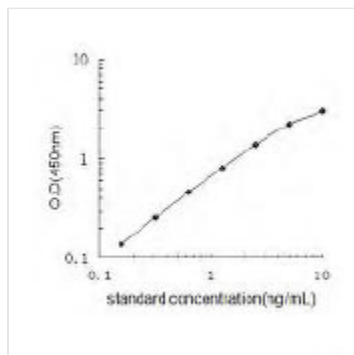
### PRODUCT SYNONYMS

Lumican; Rat Lumican PicoKine ELISA Kit; lumican; Keratan sulfate proteoglycan lumican; KSPG Lumican; LDC; LUM; LUM\_HUMAN; Lumican precursor; SLRR2D; LUM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                       |
| Specificity             | This assay recognizes recombinant and natural pig Interstitial collagenase. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 338                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates and cell culture supernates and other biological fluids                                                 |
| Detection Range         | 0.156 ng/ml -10 ng/ml                                                                                                                     |
| Sensitivity             | <0.078 ng/ml                                                                                                                              |
| 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)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for LUM elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of pig Interstitial collagenase concentrations in serum, plasma, tissue homogenates and cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been precoated with an antibody specific to Interstitial collagenase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Interstitial collagenase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Interstitial collagenase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Interstitial collagenase in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 1708880                                                     |
| NCBI GeneID                      | 81682                                                       |
| UniProt Accession #              | P51886                                                      |
| Molecular Weight                 | 38,279 Da                                                   |
| NCBI Official Full Name          | Lumican                                                     |
| NCBI Official Synonym Full Names | lumican                                                     |
| NCBI Official Symbol             | Lum                                                         |
| 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_RAT                                                     |

**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://stage.aaabiotech.com/lum-rat-elisa-kits/lumican/45970>