

Product datasheet

info@arigobio.com

ARG81865 Rat Lumican ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81865-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81865-002	Standard	2 X 10 ng/vial	4°C
ARG81865-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81865-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81865-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81865-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81865-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81865-008	25X Wash buffer	20 ml	4°C
ARG81865-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81865-010	STOP solution	10 ml (Ready to use)	4°C
ARG81865-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81865 Rat Lumican ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Lumican in serum, plasma (heparin) and cell culture supernatants.
Tostad Boastivity	Da+

Tested Reactivity Rat
Tested Application ELISA

Specificity There is no detectable cross-reactivity with other relevant proteins.

Target Name Lumican
Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 78 pg/ml

Sample Type Serum, plasma (heparin) and cell culture supernatants.

Standard Range 156 - 10000 pg/ml

Sample Volume $100 \ \mu l$

Precision Intra-Assay CV: 5.8%; Inter-Assay CV: 6.9%

Alternate Names LDC; Keratan sulfate proteoglycan lumican; Lumican; SLRR2D; KSPG lumican

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol LUM

Gene Full Name lumican

Background This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin,

biglycan, fibromodulin, keratocan, epiphycan, and osteoglycin. In these bifunctional molecules, the protein moiety binds collagen fibrils and the highly charged hydrophilic glycosaminoglycans regulate interfibrillar spacings. Lumican is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and

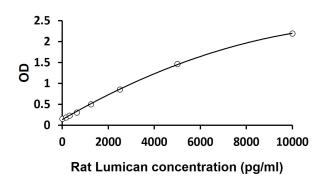
tissue repair. [provided by RefSeq, Jul 2008]

Highlight Related products:

Lumican antibodies; Lumican ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

PTM Sulfated on tyrosine residue(s). [UniProt]

Images



ARG81865 Rat Lumican ELISA Kit standard curve image

ARG81865 Rat Lumican ELISA Kit results of a typical standard run with optical density reading at 450 nm.