

LUM mouse monoclonal antibody (hybridoma)

Catalog # H00004060-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant LUM.
Immunogen	LUM (NP_002336.1, 1 a.a. ~ 338 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSLSAFTLFLALIGGTSGQYYDYDFPLSIYGQSSPNCAPCNCPEYPSAMYCDELKLKSVPMVP PGIKYLYLRNNQIDHIDEKAFENVTDLQWLILDHNLLENSKIKGRVFSKLKQLKKLHINHNNLTESVG PLPKSLEDLQLTHNKITKLGSFEGLVNLTFIHLQHNRLKEDAVSAAFGLKSLEYLDLSFNQIARLP SGLPVSLTLYLDNNKISNPDEYFKRFNALQYLRSLSHNELADSGIPGNSFNVSSLVELDLSYNKLLK NIPTVNENLENYYLEVNQLEKFDIKSFCKILGPLSYSKIKHLRLDGNRISETSLPPDMYECLRVANEV TLN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (85)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — LUM

Entrez GeneID [4060](#)

GeneBank Accession# [NM_002345.3](#)

Protein Accession# [NP_002336.1](#)

Gene Name LUM

Gene Alias LDC, SLRR2D

Gene Description lumican

Omim ID [600616](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphykan, 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]

Other Designations lumican proteoglycan

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Myopia](#)
- [Neoplasm Invasiveness](#)
- [Pancreatic Neoplasms](#)