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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

LGMN monoclonal antibody (M02), clone M1

Catalog # : H00005641-M02

規格 : [100 ug]

List All

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant LGMN.

Immunogen: LGMN (AAH03061.1, 1 a.a. ~ 433 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence: MWWKVAVFLSVALGIGAIPIDDPEDGGKHVVIVAGSNGWYNYRHQADA
CHAYQIIHRNGIPDEQIVMMYDDIAYSEDNPTPGMVRPNGTDVYQGVPK
DYTGEDVTPQNFLAVLRGDAEAVKIGSGKVLKSGPQDHVFIYFTDHGS
TGILVFPNEDLHVKDLNETIHYMYKHKMYRKMVFYIEACESGSMMNHLPD
NINVYATTAANPRESSYACYDEKRSTYLGDWYSVNWMEGSDVEDLTKE
TLHKQYHLVKSHNTSHVMQYGNKISTMKVMQFQGMKRKASSPVPLPP
VTHLDLTPSPDVPLTIMKRKLMNTNDLEESRQLTEEIQRHLDARHLIEKSV
RKIVSLLAASEAEVEQLLSEAPLTGHSCYPEALLHFRTHCFNWHSPTYE
YALRHLVYLVNLCEKPYPLHRIKLSMDHVCLGHY

Host: Mouse

Reactivity: Human

Isotype: IgG1 kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

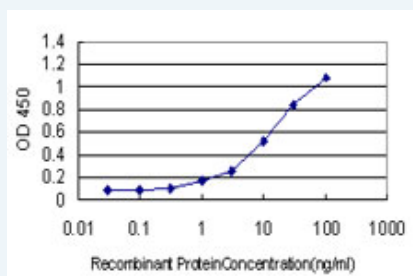
Datasheet:  [Download](#)

Publication Reference

1. [Targeting Cell Surface Alpha\(v\)beta\(3.5\) Integrins Increases Therapeutic Efficacies of a Legumain Protease-Activated Auristatin Prodrug.](#)
Liu Y, Bajjuri KM, Liu C, Sinha SC. Mol Pharm. 2011 Oct 31.

Applications

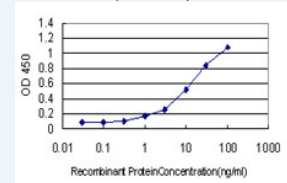
Sandwich ELISA (Recombinant protein)




Detection limit for recombinant GST tagged LGMN is approximately 0.1ng/ml as a capture

Application Image

Sandwich ELISA (Recombinant protein)



 [enlarge](#)

ELISA

ELISA

Gene Information

Entrez GeneID: [5641](#)**GeneBank
Accession#:** [BC003061](#)**Protein
Accession#:** [AAH03061.1](#)**Gene Name:** LGMN**Gene Alias:** AEP,LGMN1,PRSC1**Gene
Description:** legumain**Omim ID:** [602620](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene encodes a cysteine protease that has a strict specificity for hydrolysis of asparaginyl bonds. This enzyme may be involved in the processing of bacterial peptides and endogenous proteins for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is triggered by acidic pH and appears to be autocatalytic. Protein expression occurs after monocytes differentiate into dendritic cells. A fully mature, active enzyme is produced following lipopolysaccharide expression in mature dendritic cells. Overexpression of this gene may be associated with the majority of solid tumor types. This gene has a pseudogene on chromosome 13. Several alternatively spliced transcript variants have been described, but the biological validity of only two has been determined. These two variants encode the same isoform. [provided by RefSeq]

**Other
Designations:** asparaginyl endopeptidase,cysteine protease 1,protease, cysteine, 1 (legumain)**Gene Pathway**

[Antigen processing and presentation Lysosome](#)