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LGMN Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant LGMN.
Catalog # AT2703a

Specification

LGMN Antibody (monoclonal) (M02) - Product Information

Application	**E**
Primary Accession	Q99538
Other Accession	BC003061
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**49411**

LGMN Antibody (monoclonal) (M02) - Additional Information

Gene ID 5641

Other Names
Legumain, Asparaginyl endopeptidase, Protease, cysteine 1, LGMN, PRSC1

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

Dilution
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
LGMN Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

LGMN Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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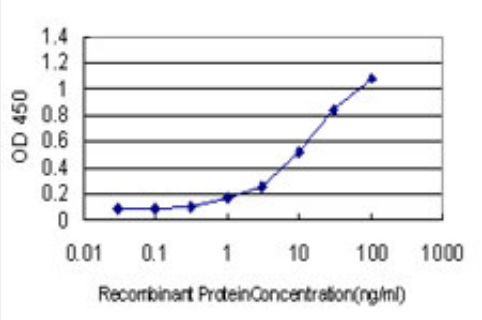
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LGMN Antibody (monoclonal) (M02) - Images



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

LGMN Antibody (monoclonal) (M02) - Background

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.

LGMN Antibody (monoclonal) (M02) - References

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.