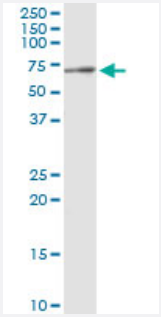
LGMN monoclonal antibody (M03), clone M2

Catalog # H00005641-M03 Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of LGMN transfected lysate using anti-LGMN monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with LGMN MaxPab rabbit polyclonal antibody.

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	MVWKVAVFLSVALGIGAIPIDDPEDGGKHWVVIVAGSNGWYNYRHQADACHAYQIIHRNGIPDEQIV VMMYDDIAYSEDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQNFLAVLRGDAEAVKGIGSGKVL KSGPQDHVFIYFTDHGSTGILVFPNEDLHVKDLNETIHYMYKHKMYRKMVFYIEACESGSMMNHLP DNINVYATTAANPRESSYACYYDEKRSTYLGDWYSVNWMEDSDVEDLTKETLHKQYHLVKSHTNT SHVMQYGNKTISTMKVMQFQGMKRKASSPVPLPPVTHLDLTPSPDVPLTIMKRKLMNTNDLEESR QLTEEIQRHLDARHLIEKSVRKIVSLLAASEAEVEQLLSERAPLTGHSCYPEALLHFRTHCFNWHS PTYEYALRHLYVLVNLCEKPYPLHRIKLSMDHVCLGHY
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.

Applications

- Immunoprecipitation

  Immunoprecipitation of LGMN transfected lysate using anti-LGMN monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with LGMN MaxPab rabbit polyclonal antibody.

  Protocol Download

- ELISA

Gene Info — LGMN

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 bo nds. This enzyme may be involved in the processing of bacterial peptides and endogenous protei ns for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is trigge red by acidic pH and appears to be autocatalytic. Protein expression occurs after monocytes diffe rentiate 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 maj ority 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 de termined. These two variants encode the same isoform. [provided by RefSeq
Other Designations	asparaginyl endopeptidase|cysteine protease 1|protease, cysteine, 1 (legumain)

Pathway

- Antigen processing and presentation
- Lysosome