

Mouse anti-Human LMAN2 Monoclonal Antibody | anti-LMAN2 antibody

Anti-LMAN2 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255577	Mouse	Human	Immunoprecipitation, ELISA, ELISA, Western Blot

PRODUCT SYNONYMS

LMAN2; Monoclonal Antibody; Anti-LMAN2 Antibody; Mouse Monoclonal; LMAN2/VIP36 Antibody; Mouse MAb; lectin; mannose binding 2; Anti-C5orf8 Antibody; Anti-GP36B Antibody; Anti-VIP36 Antibody; anti-LMAN2 antibody

PRODUCT SPECIFICATIONS

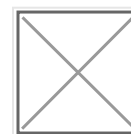
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	02
Specificity	Human LMAN2/VIP36. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LMAN2 antibody	IP (Immunoprecipitation), ELISA, ELISA, WB (Western Blot)
Immunogen	Recombinant Human LMAN2/VIP36 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human LMAN2/VIP36 (rh LMAN2/VIP36). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

LMAN2-His was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate 2 uL anti-LMAN2-His mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-LMAN2-His mouse monoclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 40 kDa.



WB (Western Blot)

Anti-LMAN2 mouse monoclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate. Lane B: Hela Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight 800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 40 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-LMAN2 antibody	LMAN2 (Lectin, Mannose Binding 2, also known as VIP36) is a Protein Coding gene. This gene encodes a type I transmembrane lectin that shuttles between the endoplasmic reticulum, the Golgi apparatus, and the plasma membrane. The encoded protein binds high mannose type glycoproteins and may facilitate their sorting, trafficking, and quality control. The L-type lectin LMAN2 appears to be specifically required for the accumulation of GPRC5B in the Golgi complex and restriction of GPRC5B transport along the exosomal pathway. This may occur due to interference with the adaptor protein GGA1-mediated trans-Golgi network-to-endosome transport of GPRC5B. A Golgi-traversing pathway for the exosomal release of the cargo protein GPRC5B in which CD2AP facilitates the entry and LMAN2 impedes the exit of the flux, respectively.
References	Nawa D, et al. (2007) Stable interaction of the cargo receptor VIP36 with molecular chaperone BiP. Glycobiology. 17(9): 913-21. Shimada O, et al. (2003) Localization of VIP36 in the post-Golgi secretory pathway also of rat parotid acinar cells. J Histochem Cytochem. 51(8): 1057-63. Hara-Kuge S, et al. (1999) Vesicular-integral membrane protein, VIP36, recognizes high-mannose type glycans containing alpha1--2 mannosyl residues in MDCK cells. Glycobiology. 9(8): 833-9. Fullekrug J, et al. (1999) VIP36 localisation to the early secretory pathway. J Cell Sci. 112 (Pt 17): 2813-21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803023
NCBI GeneID	10960
NCBI Accession #	NP_006807
NCBI GenBank Nucleotide #	NM_006816
UniProt Accession #	Q12907; Q53HH1
Molecular Weight	40,229 Da
NCBI Official Full Name	vesicular integral-membrane protein VIP36
NCBI Official Synonym Full Names	lectin, mannose-binding 2
NCBI Official Symbol	LMAN2
NCBI Official Synonym Symbols	GP36B; VIP36; C5orf8
NCBI Protein Information	vesicular integral-membrane protein VIP36; glycoprotein GP36b; vesicular integral protein of 36 kDa; vesicular integral-membrane protein 36
UniProt Protein Name	Vesicular integral-membrane protein VIP36
UniProt Gene Name	LMAN2
UniProt Synonym Gene Names	C5orf8; VIP36
UniProt Entry Name	LMAN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/lman2-antibody-clone-02-immunoprecipitation-western-blot-elisa/255577>