

Product datasheet for **TA502137**

LMAN1 Mouse Monoclonal Antibody [Clone ID: OT11A8]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OT11A8 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:200~500, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Dog, Rat, Monkey, Mouse |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human LMAN1 (NP_005561) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 54.2 kDa |
| Gene Name: | lectin, mannose binding 1 |
| Database Link: | NP_005561 Entrez Gene 70361 Mouse Entrez Gene 116666 Rat Entrez Gene 476186 Dog Entrez Gene 697449 Monkey Entrez Gene 3998 Human P49257 |



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Background:

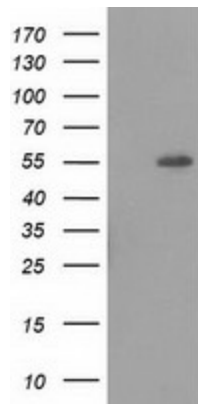
The protein encoded by this gene is a type I integral membrane protein localized in the intermediate region between the endoplasmic reticulum and the Golgi, presumably recycling between the two compartments. The protein is a mannose-specific lectin and is a member of a novel family of plant lectin homologs in the secretory pathway of animal cells. Mutations in the gene are associated with a coagulation defect. Using positional cloning, the gene was identified as the disease gene leading to combined factor V-factor VIII deficiency, a rare, autosomal recessive disorder in which both coagulation factors V and VIII are diminished. [provided by RefSeq]

Synonyms:

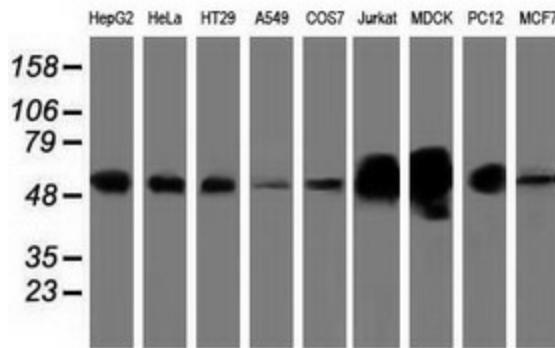
ERGIC-53; ERGIC53; F5F8D; FMFD1; gp58; MCFD1; MR60

Protein Families:

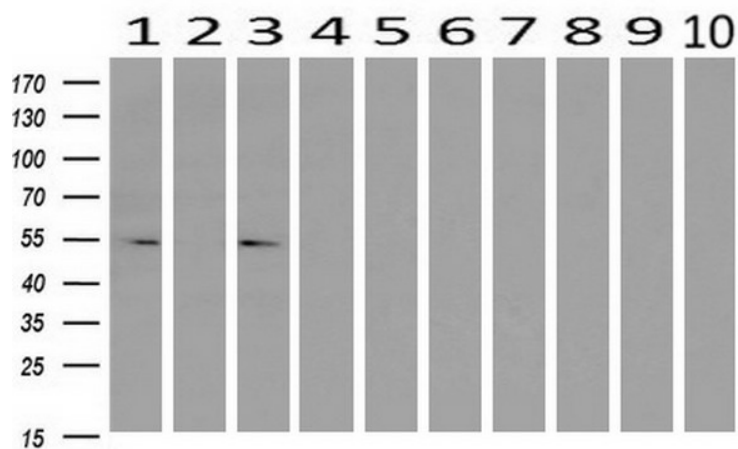
Druggable Genome, Transmembrane

Product images:


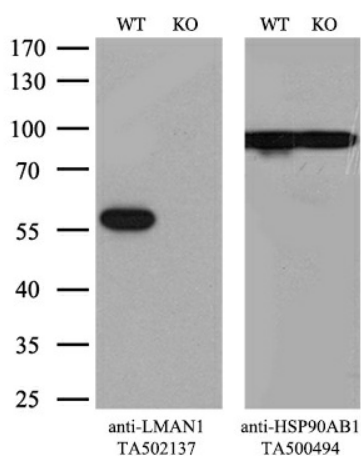
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY LMAN1 (Cat# [RC207088], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LMAN1 (Cat# TA502137). Positive lysates [LY401709] (100ug) and [LC401709] (20ug) can be purchased separately from OriGene.



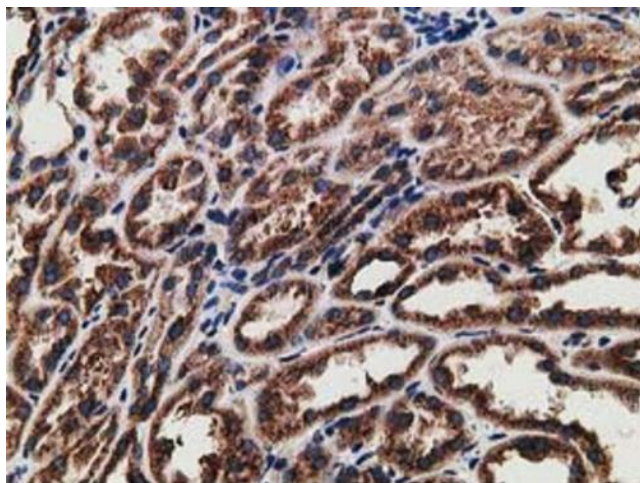
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-LMAN1 monoclonal antibody.



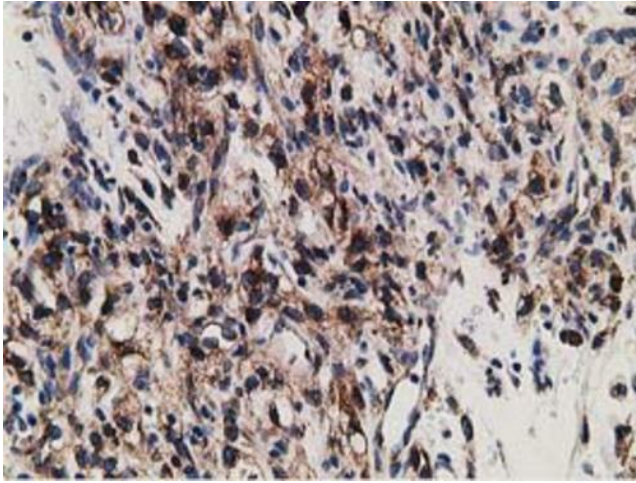
Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-LMAN1 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).



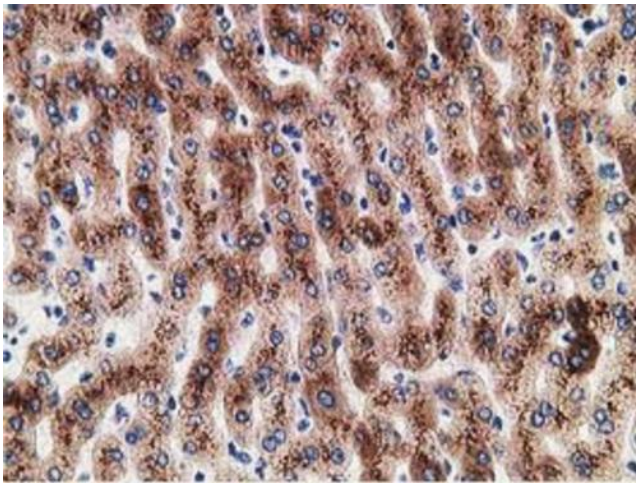
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and LMAN1-Knockout 293T cells (KO, Cat# [LC812175]) were separated by SDS-PAGE and immunoblotted with anti-LMAN1 monoclonal antibody TA502137, (1:1000). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



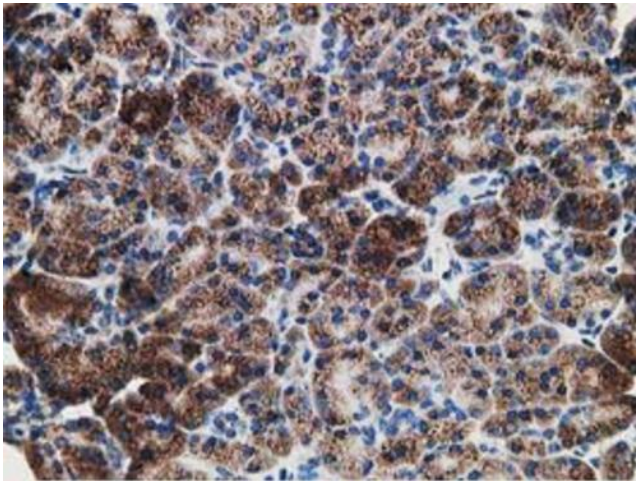
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-LMAN1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



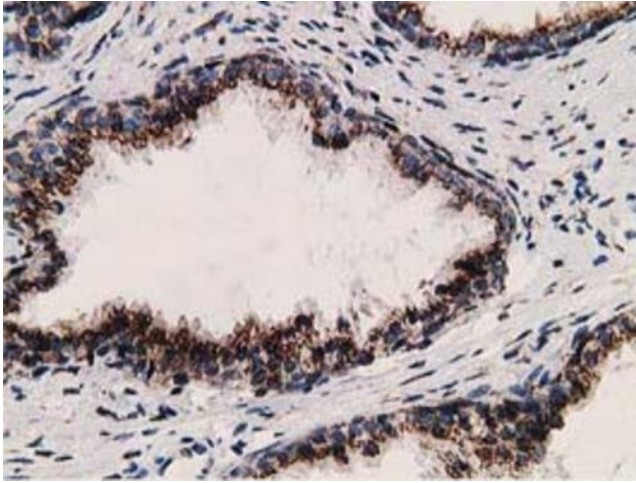
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-LMAN1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



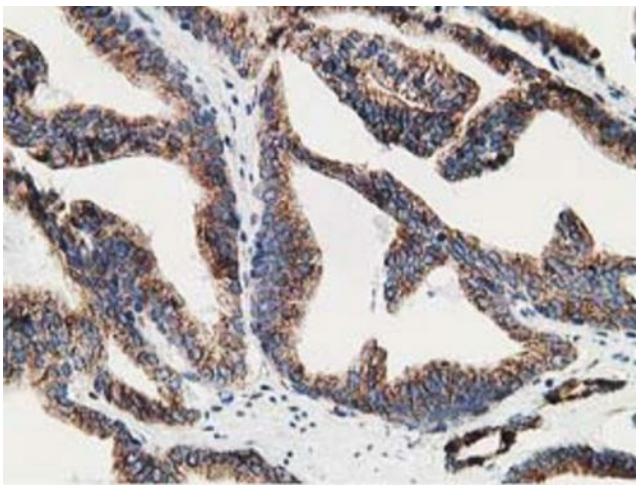
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-LMAN1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



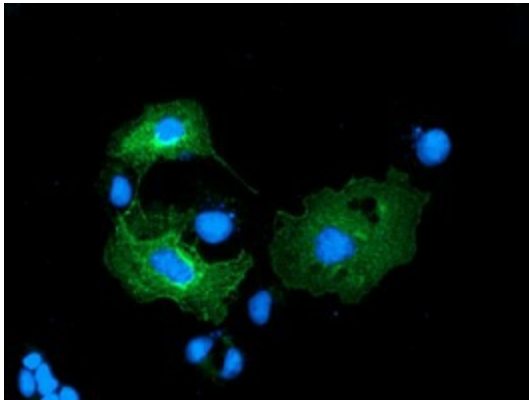
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-LMAN1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



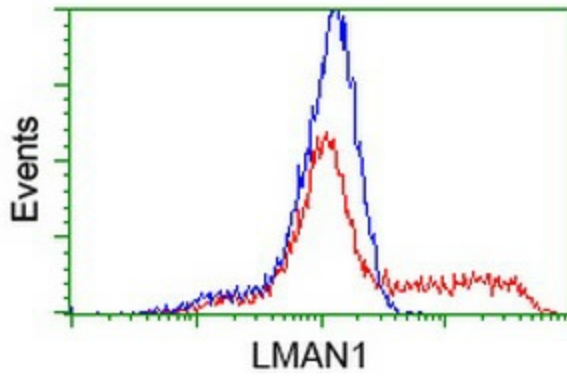
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-LMAN1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



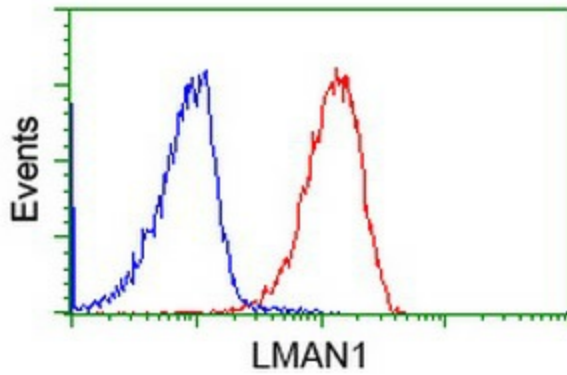
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-LMAN1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-LMAN1 mouse monoclonal antibody (TA502137) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LMAN1 ([RC207088]).



HEK293T cells transfected with either [RC207088] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LMAN1 antibody (TA502137), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-LMAN1 antibody (TA502137), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).