

## Product datasheet for **TA502269S**

### LMAN1 Mouse Monoclonal Antibody [Clone ID: OT11B8]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OT11B8  |
| Applications:           | WB  |
| Recommended Dilution:   | WB 1:200~500  |
| 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:          | <a href="#">NP_005561</a><br><a href="#">Entrez Gene 70361 Mouse</a> <a href="#">Entrez Gene 116666 Rat</a> <a href="#">Entrez Gene 476186 Dog</a> <a href="#">Entrez Gene 697449 Monkey</a> <a href="#">Entrez Gene 3998 Human</a><br><a href="#">P49257</a> |



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**Background:**

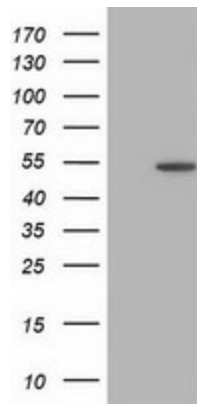
The protein encoded by this gene is a type I integral membrane protein localized in the intermediate region between the endoplasmic reticulum and the Golgi, presumably recycling between the two compartments. The protein is a mannose-specific lectin and is a member of a novel family of plant lectin homologs 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:**

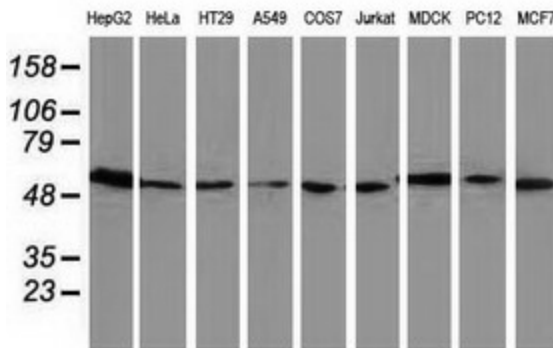
ERGIC-53; ERGIC53; F5F8D; FMFD1; gp58; MCFD1; MR60

**Protein Families:**

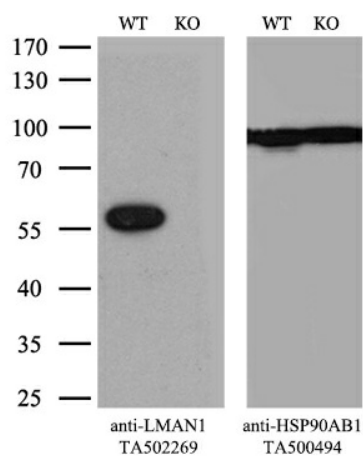
Druggable Genome, Transmembrane

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LMAN1 ([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. 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.



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 [TA502269], (1:1000). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.