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KD-Validated Anti-LMAN1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1247

Specification

KD-Validated Anti-LMAN1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P49257
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Gene Name	**LMAN1**
Aliases	**LMAN1; Lectin, Mannose Binding 1; ERGIC53; ERGIC-53; MCFD1; FMFD1; F5F8D; MR60; Gp58; Endoplasmic Reticulum-Golgi Intermediate Compartment Protein 53; ER-Golgi Intermediate Compartment 53 KDa Protein; Intracellular Mannose-Specific Lectin MR60; Protein ERGIC-53; Coagulation Factor V-Factor VIII Combined Deficiency; Lectin, Mannose-Binding, 1; Lectin Mannose-Binding 1; GP58**
Immunogen	**A synthesized peptide derived from human LMAN1**

KD-Validated Anti-LMAN1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**3998**

Other Names
Protein ERGIC-53, ER-Golgi intermediate compartment 53 kDa protein, Gp58, Intracellular mannose-specific lectin MR60, Lectin mannose-binding 1, LMAN1, ERGIC53, F5F8D

KD-Validated Anti-LMAN1 Rabbit Monoclonal Antibody - Protein Information

Name LMAN1

Synonyms ERGIC53, F5F8D

Function
Mannose-specific lectin. May recognize sugar residues of glycoproteins, glycolipids, or glycosylphosphatidyl inositol anchors and may be involved in the sorting or recycling of proteins, lipids, or both. The LMAN1-MCFD2 complex forms a specific cargo receptor for the ER-to-Golgi transport of selected proteins.

Cellular Location
Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein

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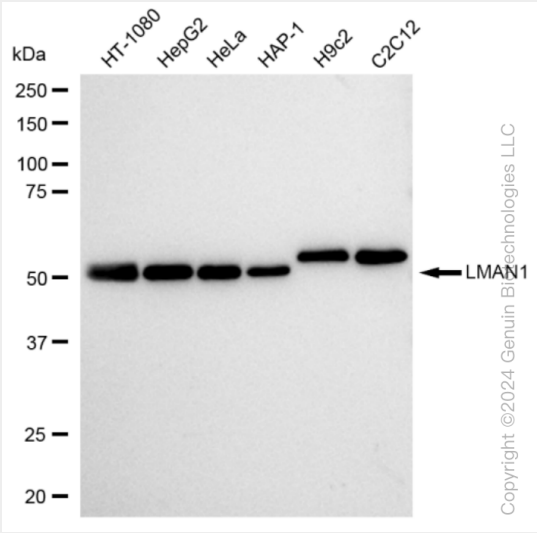
Tissue Location
Ubiquitous..

KD-Validated Anti-LMAN1 Rabbit Monoclonal Antibody - Protocols

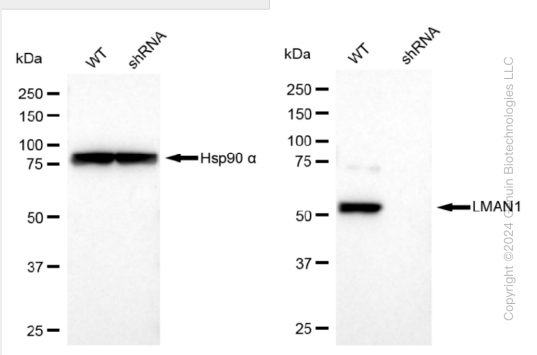
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-LMAN1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-LMAN1 antibody (Cat#AGI1247). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-LMAN1 antibody (Cat#AGI1247, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-LMAN1 antibody (Cat#AGI1247). LMAN1 expression in wild type (WT) and LMAN1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α

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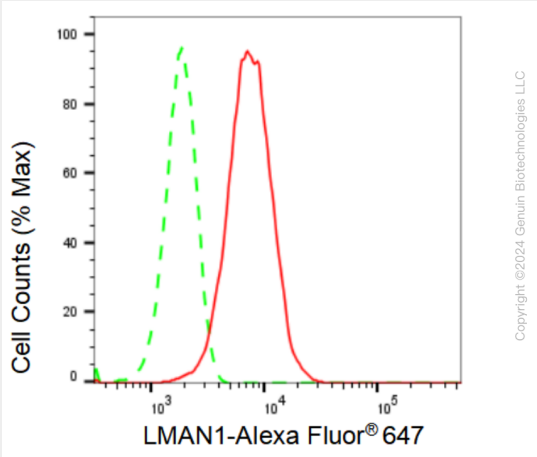
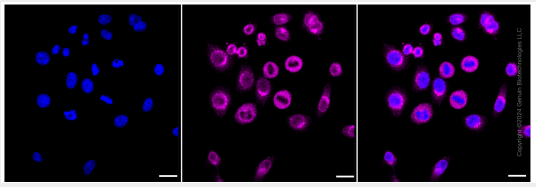
serves as a loading control. The blot was incubated with anti-LMAN1 antibody (Cat#AGI1247, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of LMAN1 expression in HepG2 cells using LMAN1 antibody (Cat#AGI1247, 1:2,000). Green, isotype control; red, LMAN1.



Immunocytochemical staining of HepG2 cells with LMAN1 antibody (Cat#AGI1247, 1:1,000). Nuclei were stained blue with DAPI; LMAN1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.