

LMAN1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8683c**Specification**

LMAN1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P49257](#)**LMAN1 Antibody (Center) Blocking Peptide - 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8683c](/products/AP8683c) was selected from the Center region of human LMAN1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LMAN1 Antibody (Center) Blocking Peptide - 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

Tissue Location

Ubiquitous..

LMAN1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LMAN1 Antibody (Center) Blocking Peptide - Images**LMAN1 Antibody (Center) Blocking Peptide - Background**

LMAN1 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.

LMAN1 Antibody (Center) Blocking Peptide - References

Roeckel,N., et.al., Cancer Res. 69 (1), 292-299 (2009)