

Human LMAN1 Knockdown Cell Line (WB-Validated)



Catalog #: C61479

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

Background

Gene Name: LMAN1
NCBI Gene Entry: [3998](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human LMAN1 Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

Parental Cell Line

Human cell line supplied by the client

Validation Methods

RT-qPCR, Western blotting (WB)

Shipping

Shipped on Dry Ice.

Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

Validation Data

SUPPORT

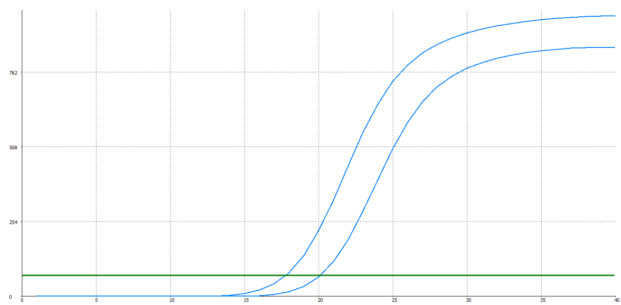
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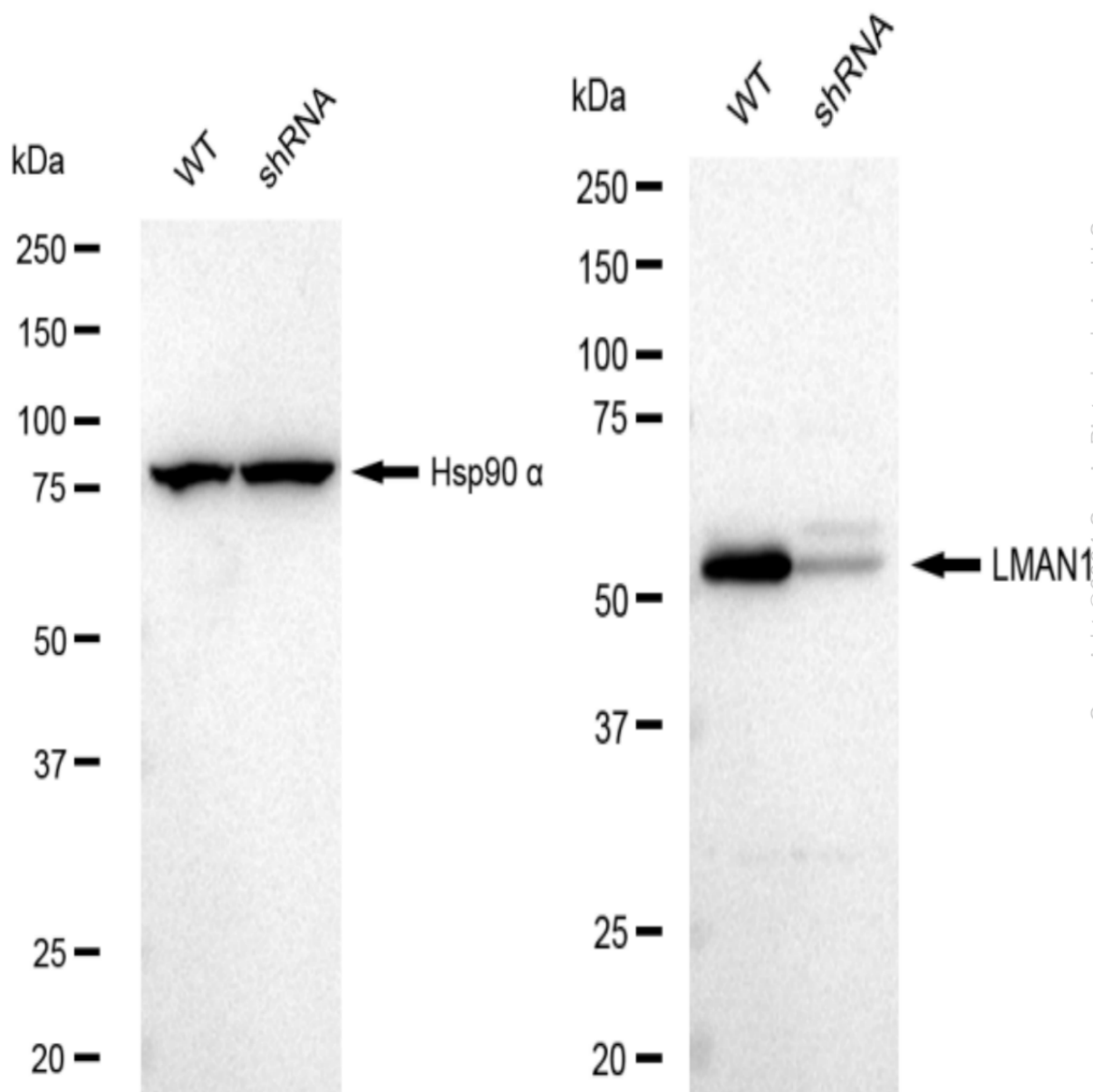
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Genotype	Ct Value
Wild-Type	17.69
Knock-Down	19.83
$\Delta Ct (Ct_{KD}-Ct_{WT})$	2.14
% mRNA Reduction	↓ 77%

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RT-qPCR analysis. HeLa cells were infected with LMAN1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD}-Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. LMAN1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies (Cat#61479, 1:5,000) against LMAN1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).