Human MME Knockdown Cell Line (WB-Validated)

Catalog #: C62315

Aliases

Membrane Metalloendopeptidase; CALLA; NEP; Neprilysin; CD10; Common Acute Lymphocytic Leukemia Antigen; Neutral Endopeptidase 24.11; Skin Fibroblast Elastase; Neutral Endopeptidase; Atriopeptidase; Enkephalinase; EC 3.4.24.11; SFE; Membrane Metallo-Endopeptidase (Neutral Endopeptidase, Enkephalinase, CALLA, CD10); Neprilysin-390; Neprilysin-411; CD10 Antigen; EC 3.4.24; CMT2T; SCA43; EPN

Background

Gene Name: MME
NCBI Gene Entry: 4311

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MME 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.

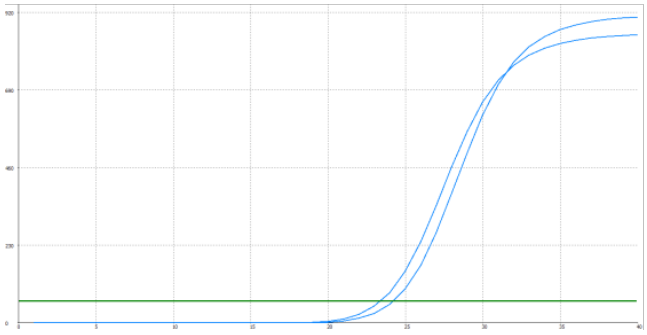
Instructions For Use

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

Note: This product is for research use only.

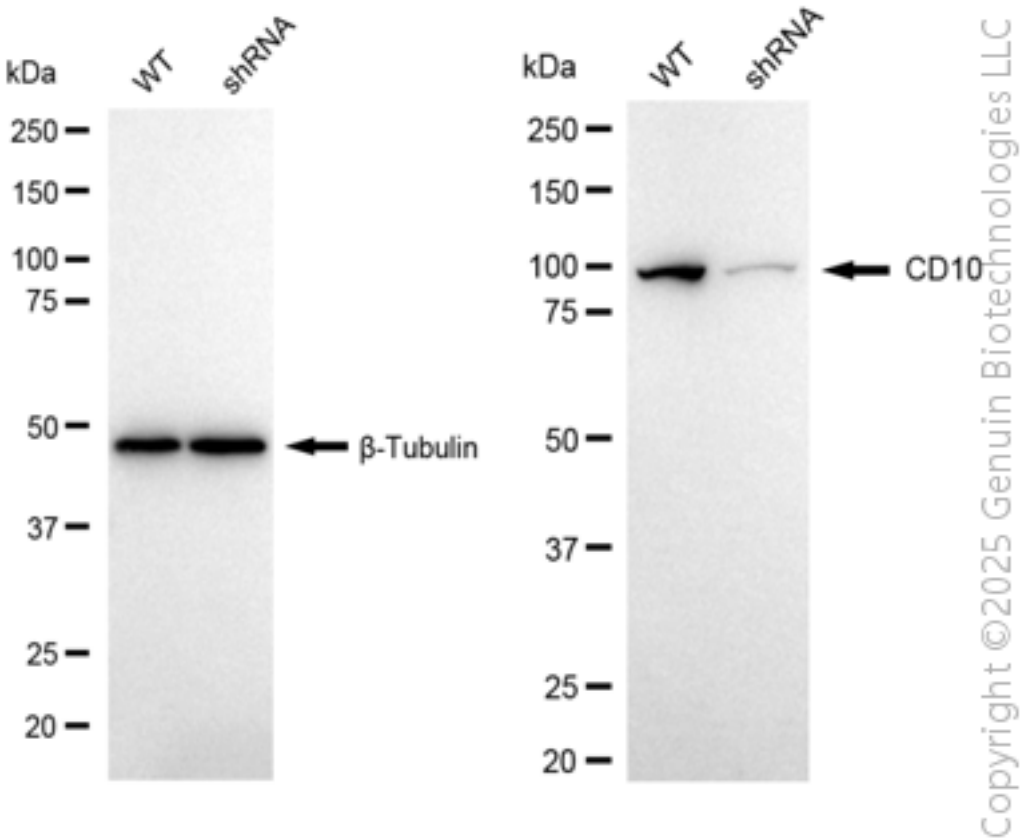
Validation Data

Human MME Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.28
Knock-Down	24.19
ΔCt (CtKD-CtWT)	0.91
% mRNA Reduction	47%

RT-qPCR analysis. HeLa cells were infected with MME-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. MME protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against MME and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.