Human MYD88 Knockdown Cell Line (WB-Validated)

Catalog #: C62307

Aliases

MYD88 Innate Immune Signal Transduction Adaptor; Myeloid Differentiation Primary Response Protein MyD88; Myeloid Differentiation Primary Response Gene (88); Myeloid Differentiation Primary Response 88; TLR Adaptor MYD88; Mutant Myeloid Differentiation Primary Response 88; MYD88D; IMD68; WM1

Background

Gene Name: MYD88
NCBI Gene Entry: 4615

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MYD88 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.

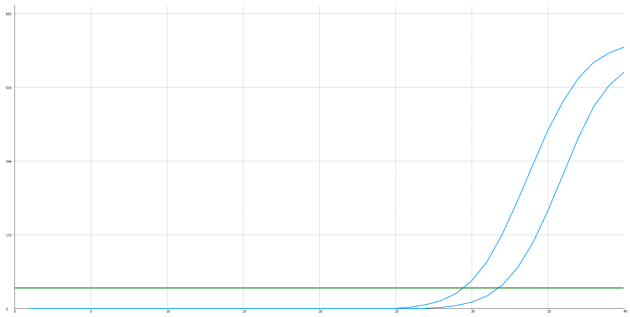
Instructions For Use

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

Note: This product is for research use only.

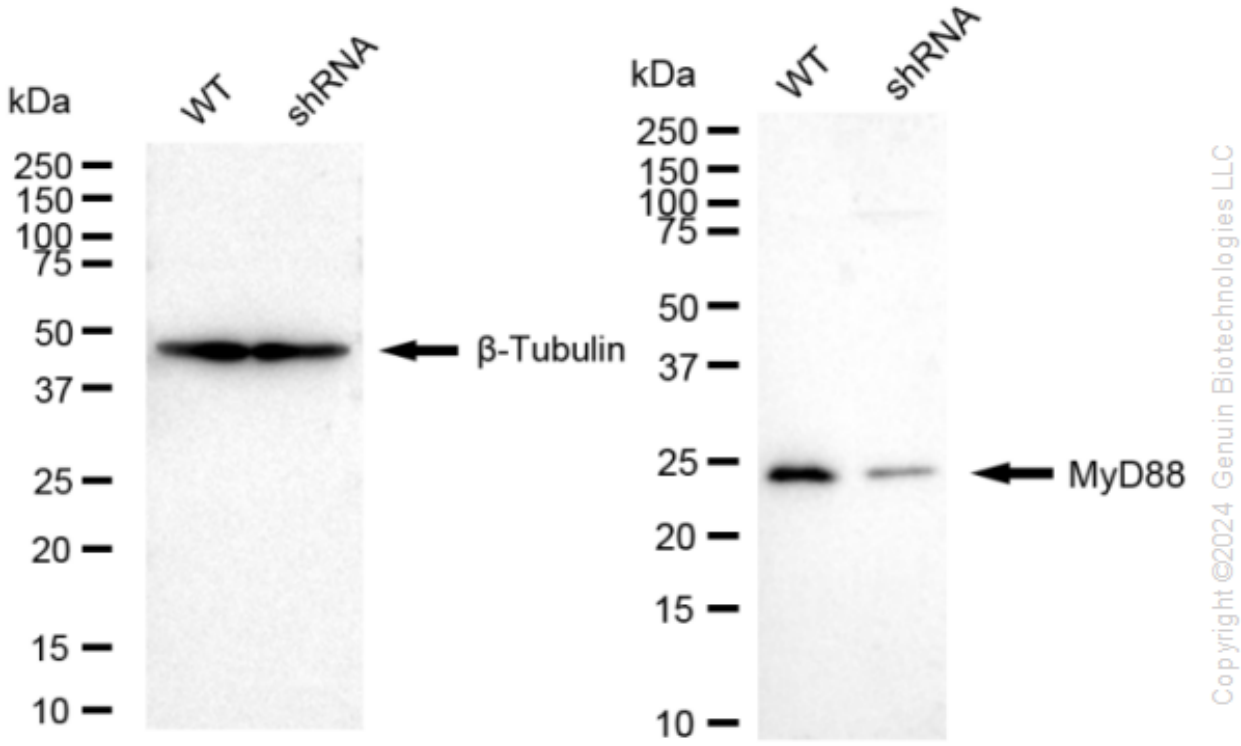
Validation Data

Human MYD88 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	29.26
Knock-Down	31.28
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	2.12
% mRNA Reduction	⬇ 77%

RT-qPCR analysis. HT-1080 cells were infected with MYD88-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. MYD88 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against MYD88 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.