KD-Validated Anti-Timeless Circadian Regulator Recombinant Rabbit Monoclonal

Catalog #: 62818

Aliases

TIMELESS; Timeless Circadian Regulator; HTIM; TIM1; TIM; Timeless Circadian Clock 1; Protein Timeless Homolog; Timeless (Drosophila) Homolog; Timeless Homolog (Drosophila); Tof1 Homolog (S. Cerevisiae); Timeless Homolog; Tof1 Homolog; TIMELESS1; FASPS4

Background

Gene Name: TIMELESS
NCBI Gene Entry: 8914
UniProt Entry: Q9UNS1

Application Information

Molecular Weight: Predicted, 139 kDa, observed, 150 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB2665
Species Reactivity: Human, mouse
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Timeless

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

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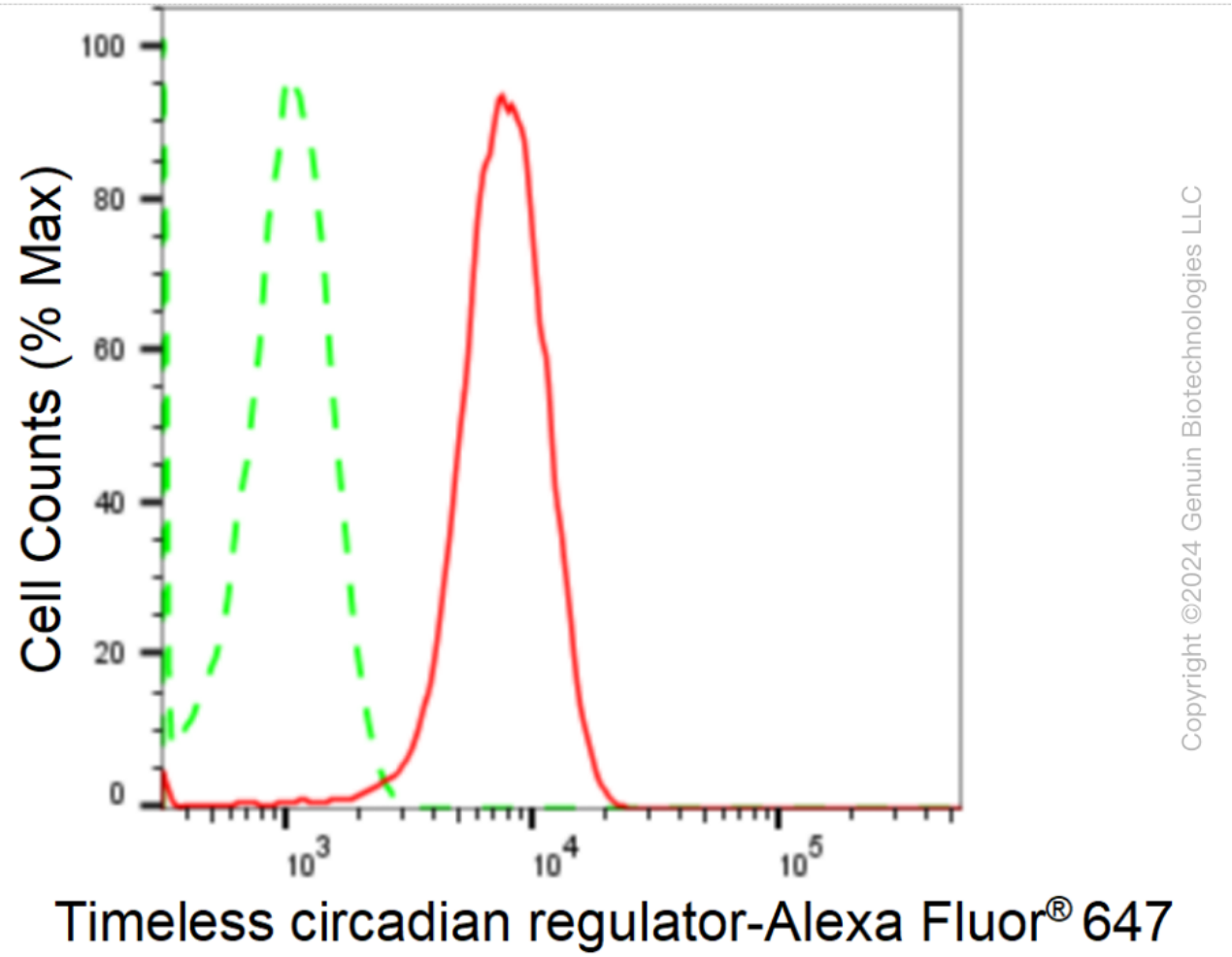
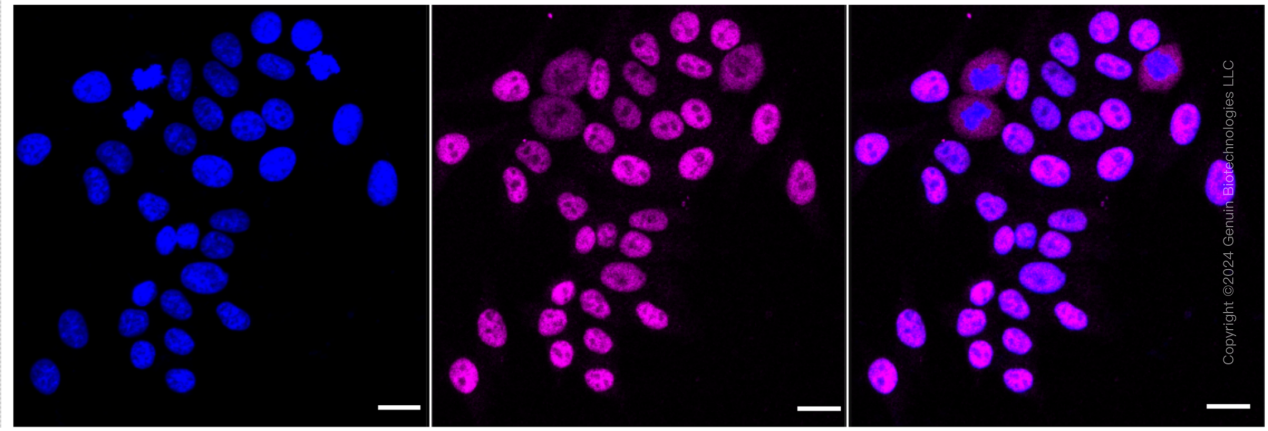
Validation Data



Flow cytometric analysis of Timeless circadian regulator expression in HepG2 cells using anti-Timeless circadian regulator antibody (Cat#62818, 1:2,000). Green, isotype control; red, Timeless circadian regulator.



Immunocytochemical staining of HepG2 cells with anti-Timeless circadian regulator antibody

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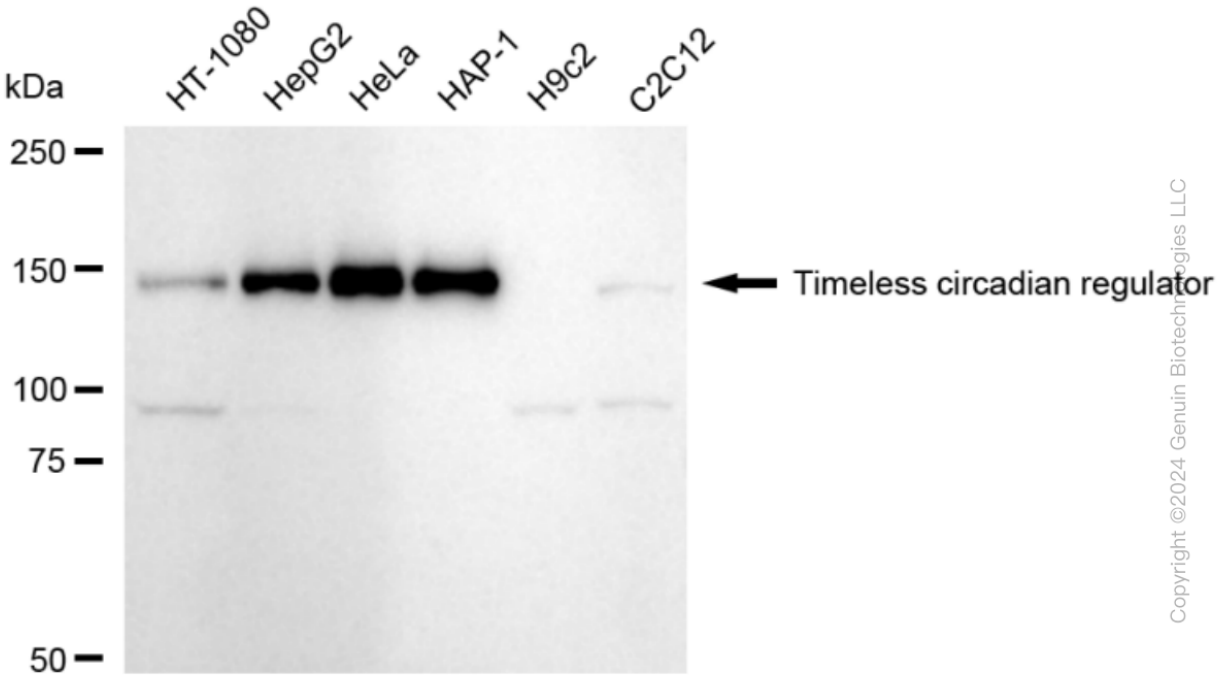
(Cat#62818, 1:1,000). Nuclei were stained blue with DAPI; Timeless circadian regulator was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Western blotting analysis using anti-Timeless circadian regulator antibody (Cat#62818). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Timeless circadian regulator antibody (Cat#62818, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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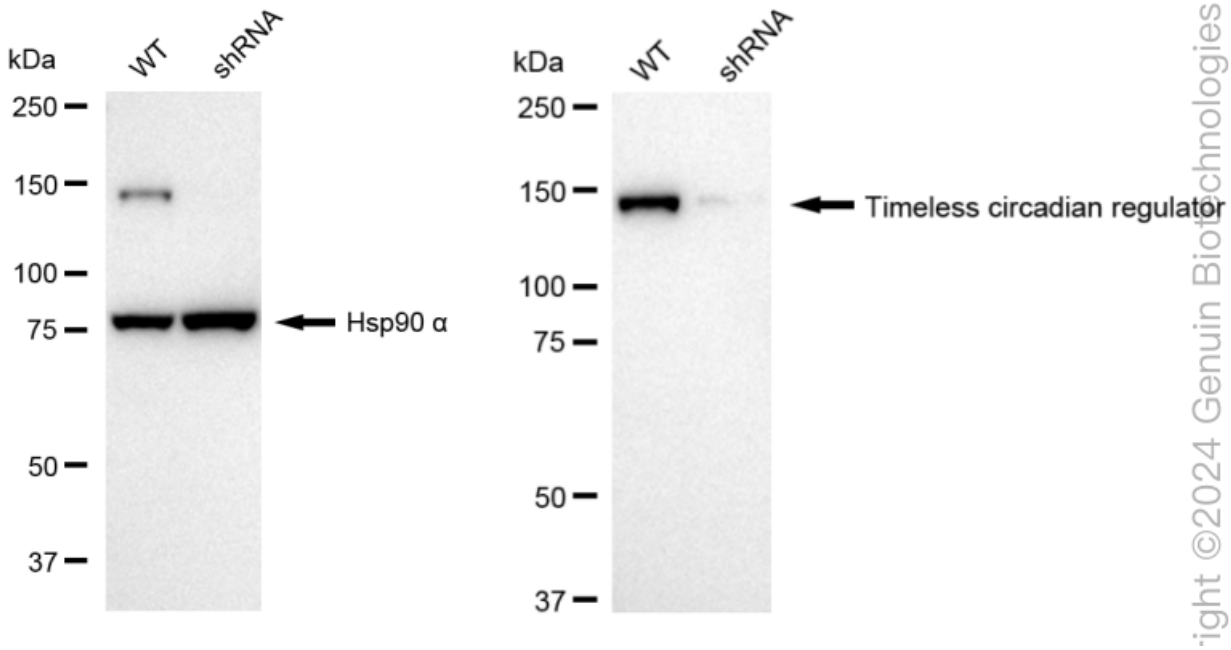

Western blotting analysis using anti-timeless circadian regulator antibody (Cat#62818). Timeless circadian regulator expression in wild-type (WT) and timeless circadian regulator (TIMELESS) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-timeless circadian regulator antibody (Cat#62818, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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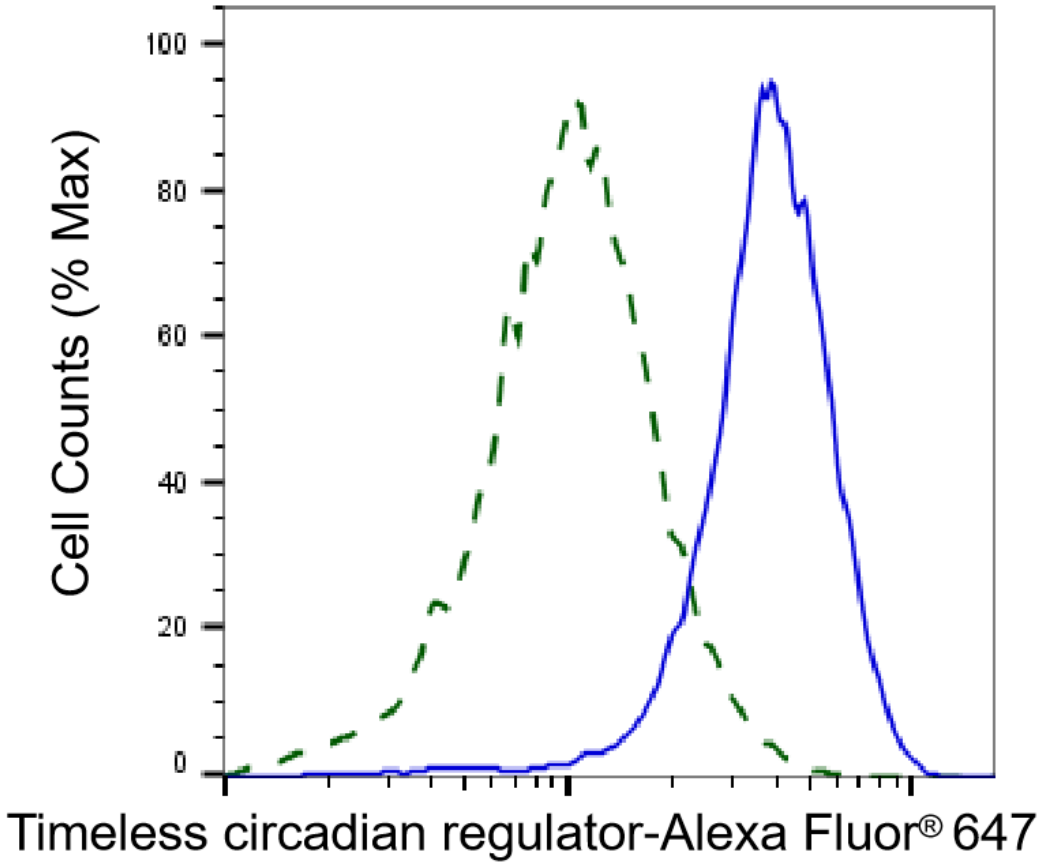
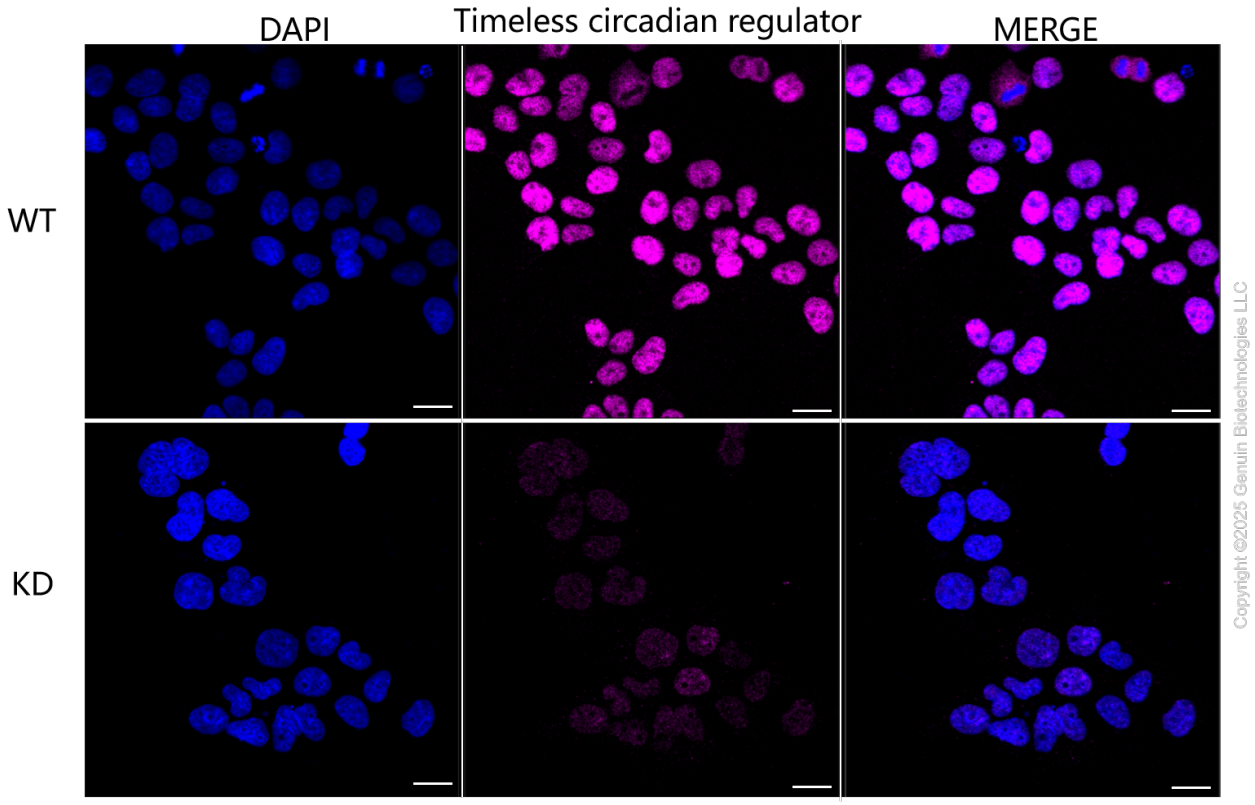


Validation of Timeless circadian regulator knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Timeless circadian regulator antibody (Cat#62818, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-Timeless circadian regulator antibody (Cat#62818, 1:1,000), Top panel: wild-type (WT); Bottom panal: Timeless circadian regulator shRNA knockdown (KD). Nuclei were stained blue with DAPI; Timeless circadian regulator was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.