KD-Validated Anti-CRLF3 Mouse Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 63834

Aliases

CRLF3; Cytokine Receptor Like Factor 3; CREME9; CYTOR4; Cytokine Receptor-Like Factor 3; Type I Cytokine Receptor-Like Factor P48; Cytokine Receptor-Related Protein 4; Cytokine Receptor-Like Molecule 9; CREME-9; CRLM9; P48.2; FRWS; P48

Background

Gene Name: CRLF3
NCBI Gene Entry: 51379
UniProt Entry: Q8IUI8

Application Information

Molecular Weight: Predicted, 50 kDa; observed, 51 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB8640
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC), Immunohistochemistry (IHC)

Immunogen

Recombinant protein of human CRLF3

Isotype

Mouse IgG1

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): 1:200-1:1,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000
Immunohistochemistry (IHC): 1:100-1:200

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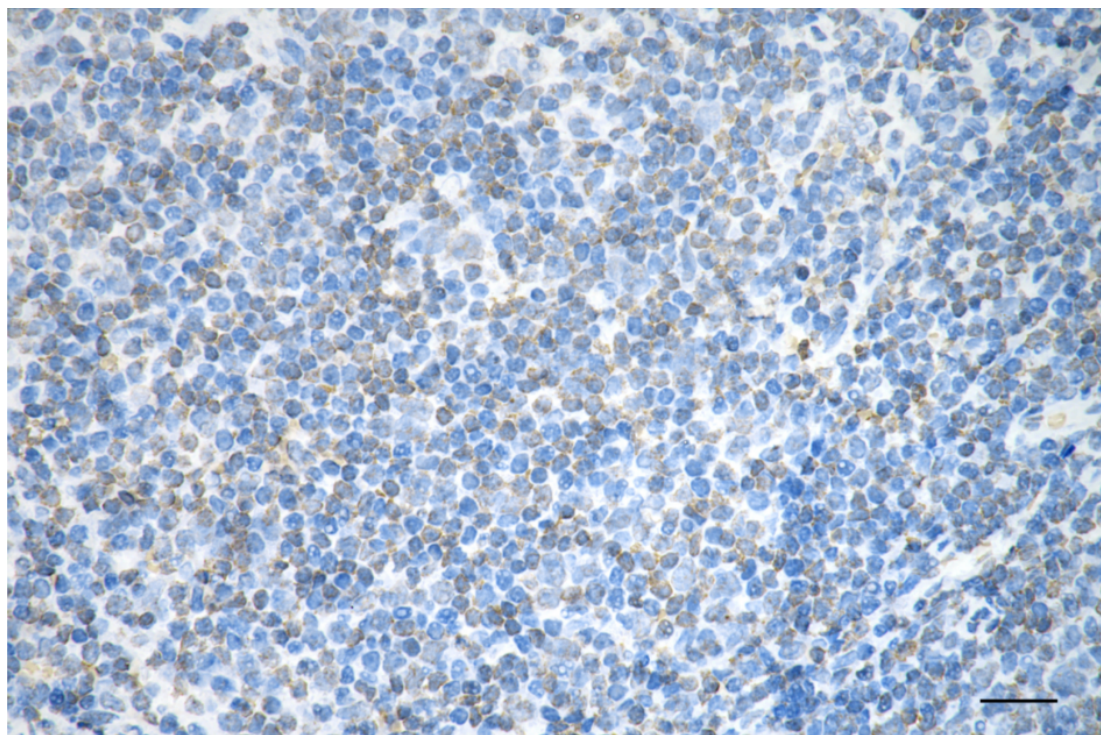
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Note: This product is for research use only.

Validation Data

Immunohistochemistry was performed on paraffin-embedded human lymphoma using anti-cytokine receptor like factor 3 antibody (Cat#63834, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.
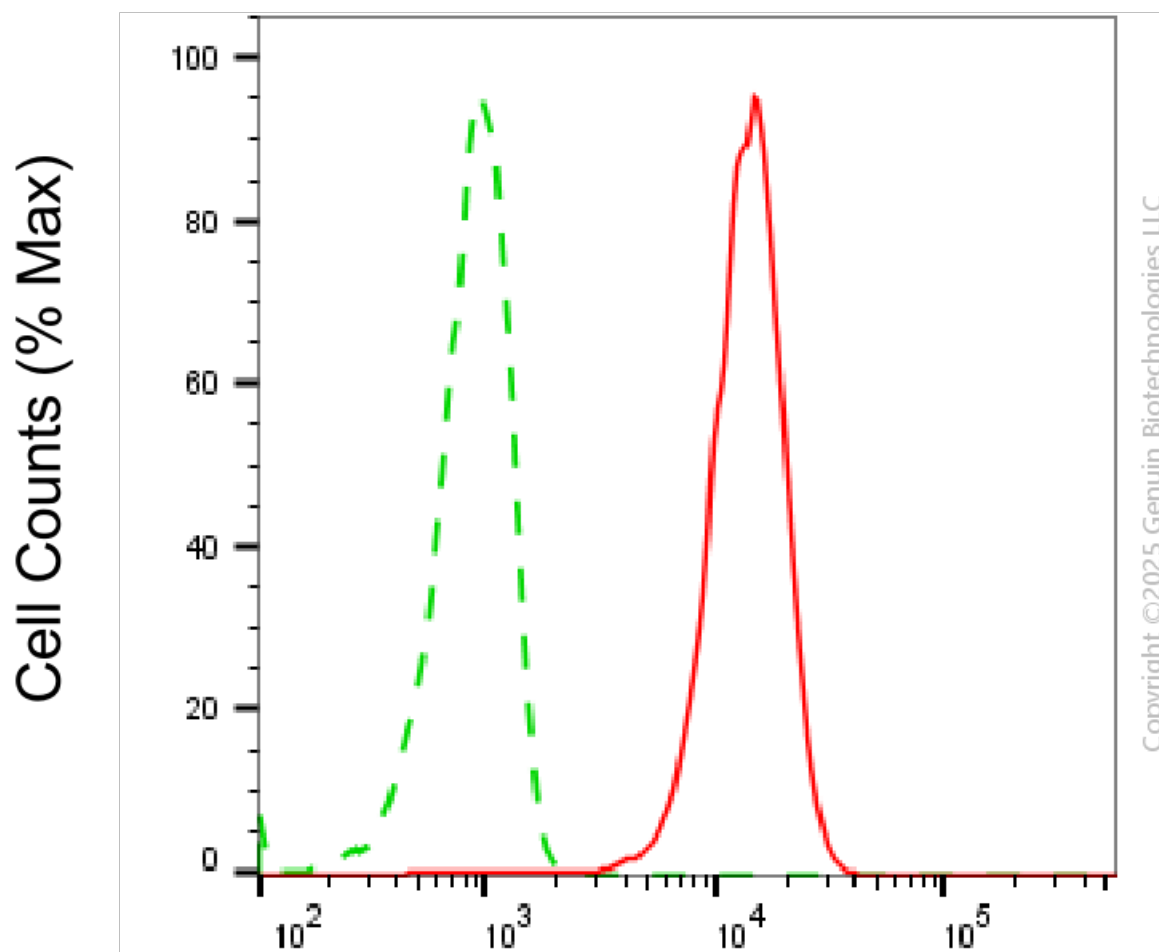
Flow cytometric analysis of Cytokine receptor like factor 3 expression in HepG2 cells using anti-Cytokine receptor like factor 3 antibody (Cat#63834, 1:2,000). Green, isotype control; red, Cytokine receptor like factor 3.
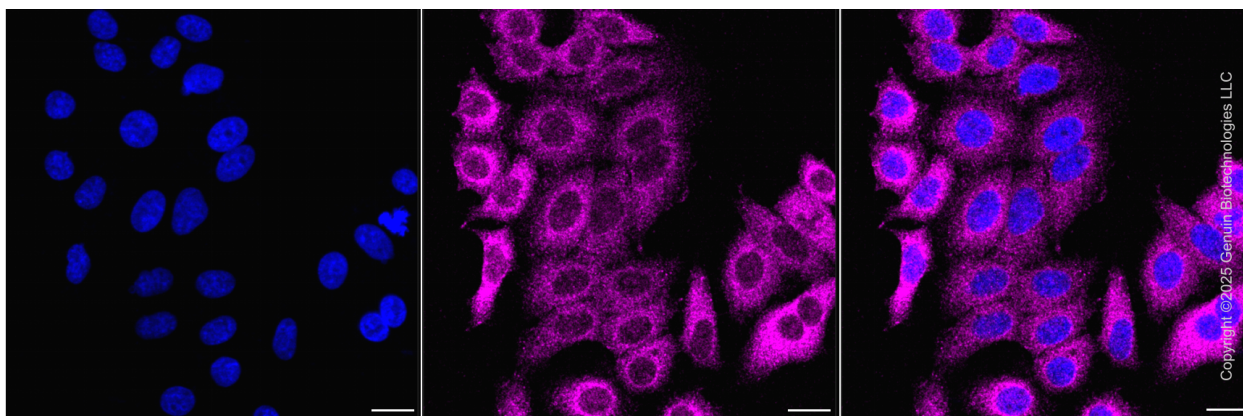
Immunocytochemical staining of HepG2 cells with anti-Cytokine receptor like factor 3 antibody

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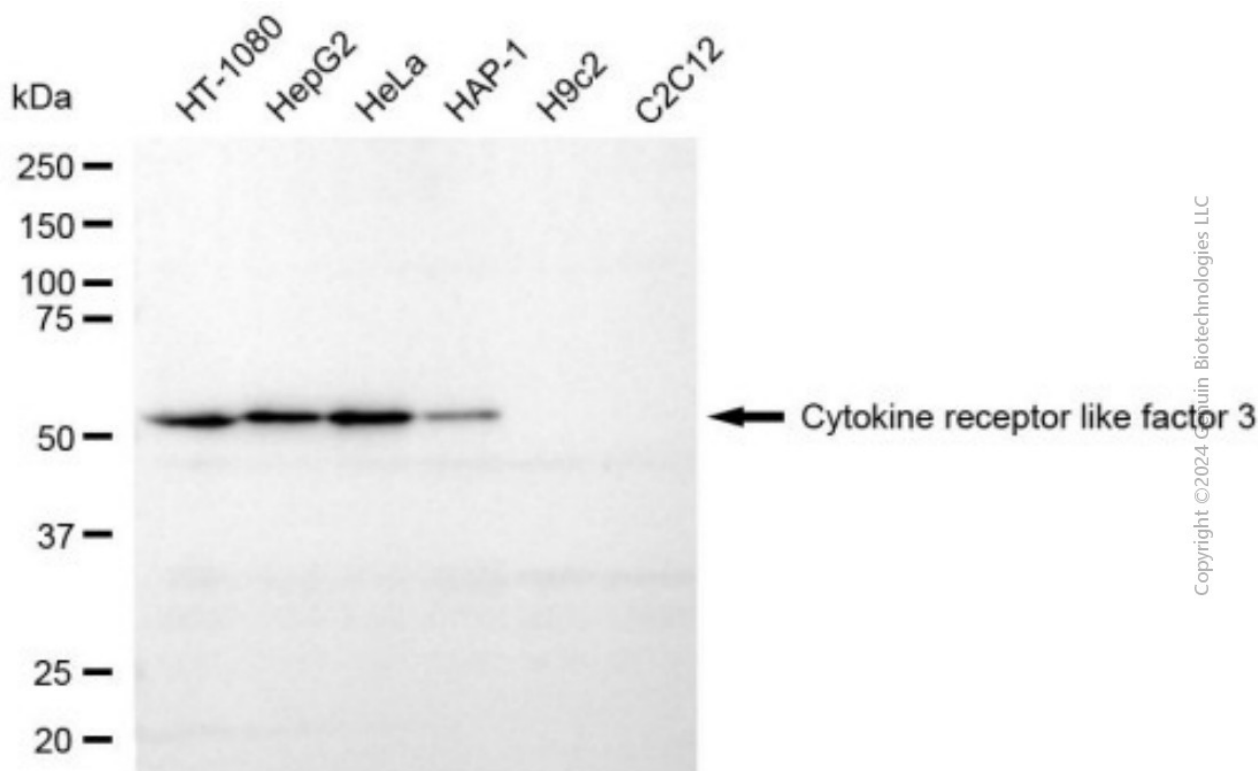SUPPORT@GENUINBIOTECH.COM
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(Cat#63834, 1:500) . Nuclei were stained blue with DAPI; Cytokine receptor like factor 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μm.

Western blotting analysis using anti-cytokine receptor like factor 3 antibody (Cat#63834). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cytokine receptor like factor 3 antibody (Cat#63834, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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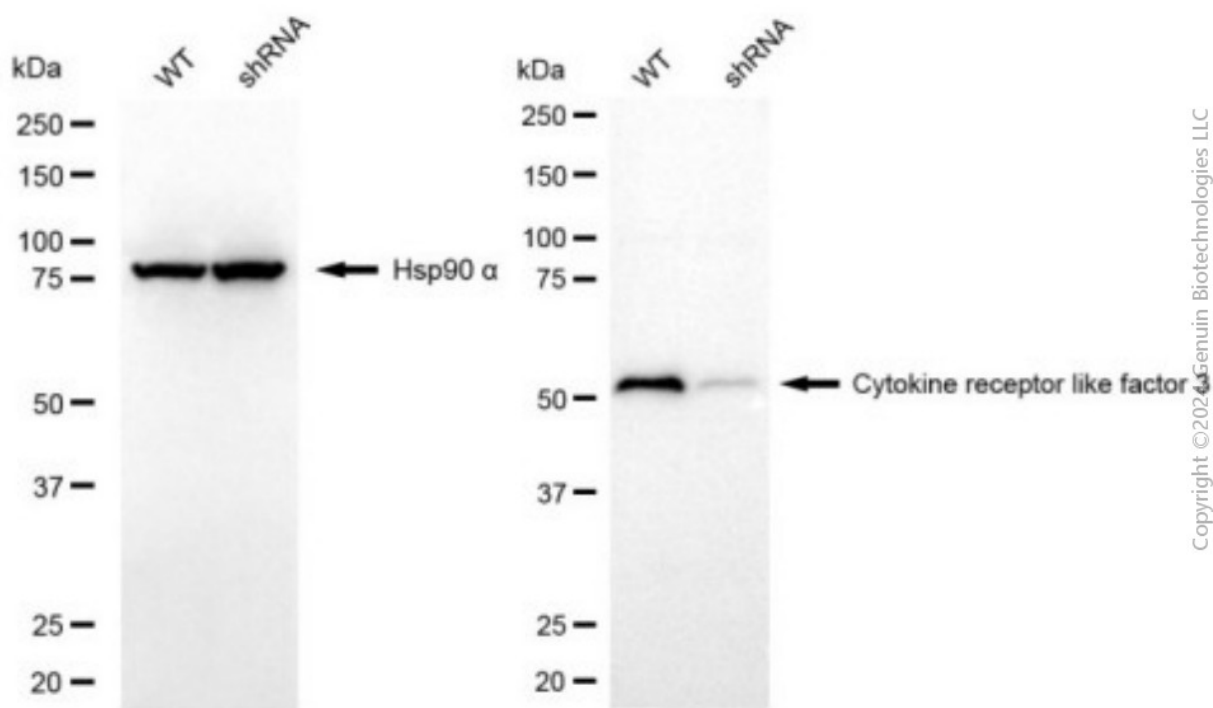
Western blotting analysis using anti-cytokine receptor like factor 3 antibody (Cat#63834). Cytokine receptor like factor 3 expression in wild-type (WT) and cytokine receptor like factor 3 (CRLF3) shRNA knockdown (KD) HeLa cells with 20 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-cytokine receptor like factor 3 antibody (Cat#63834, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).


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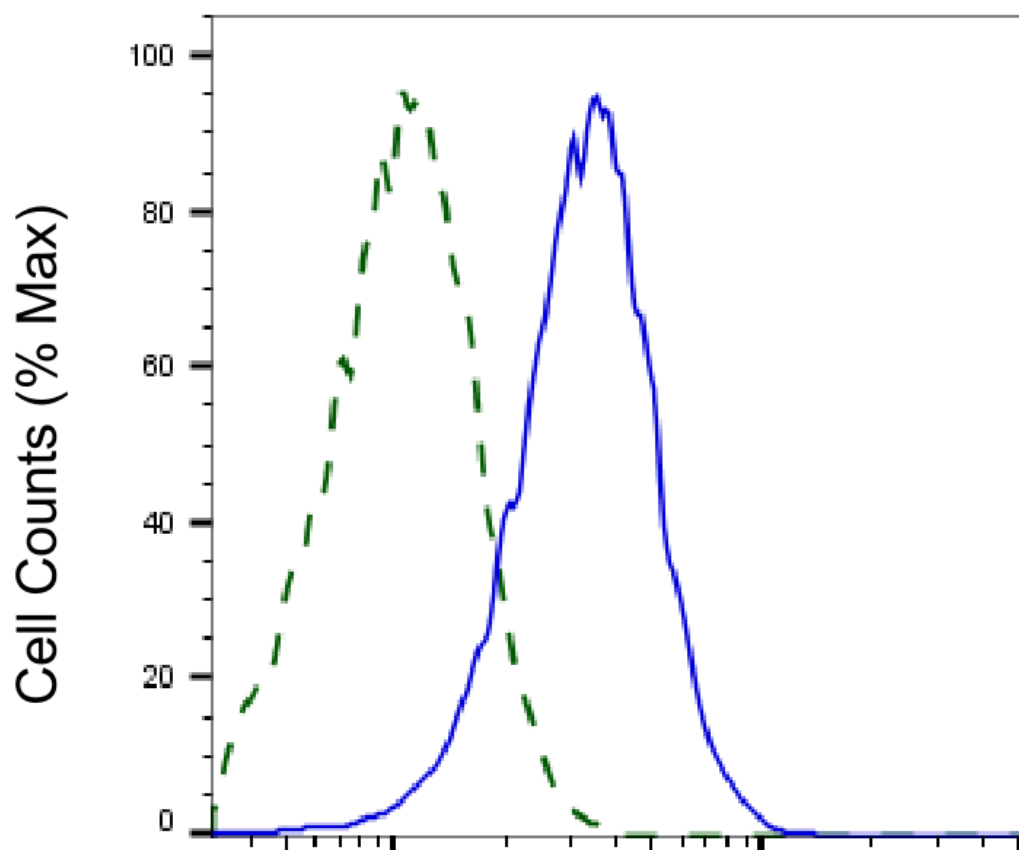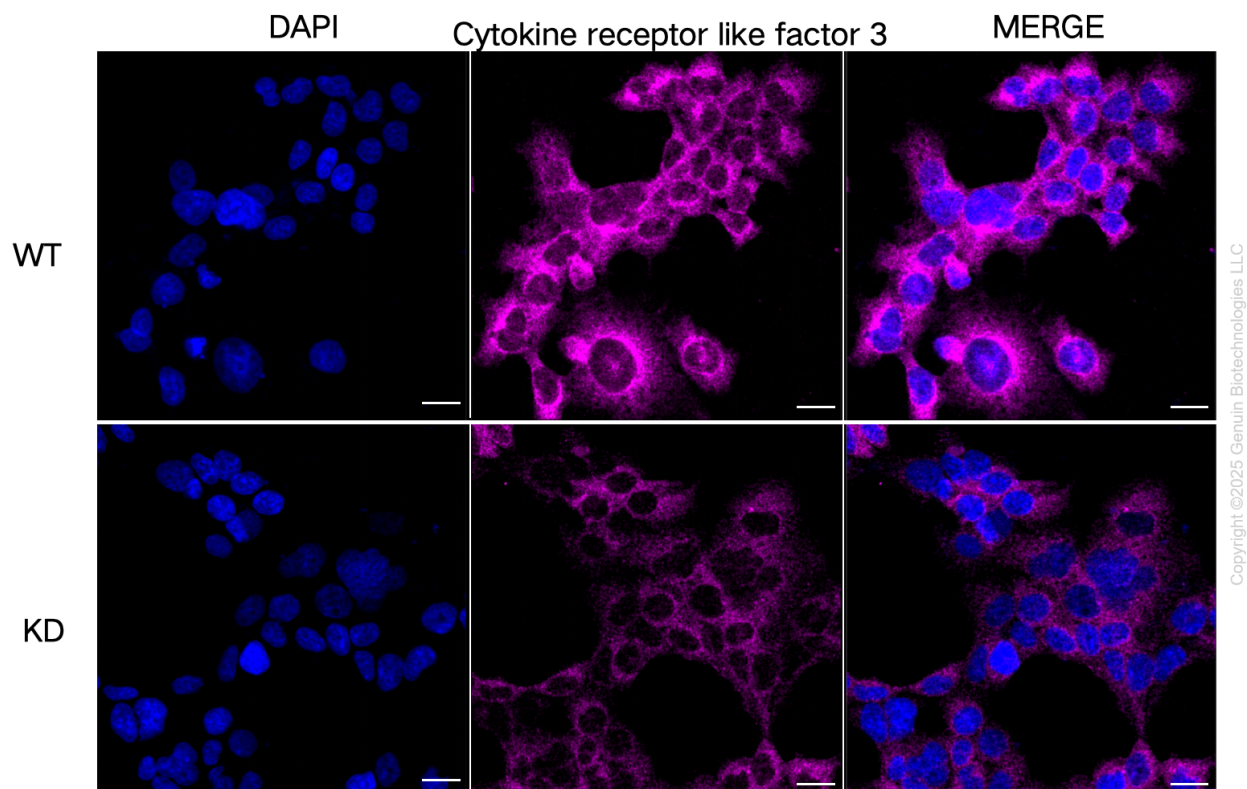SUPPORT@GENUINBIOTECH.COM
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Cytokine receptor like factor 3-Alexa Fluor® 647

Validation of Cytokine receptor like factor 3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Cytokine receptor like factor 3 antibody (Cat#63834, 1:2,000) and analyzed using BD flow cytometer.

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Immunocytochemical staining of HeLa cells using anti-Cytokine receptor like factor 3 antibody (Cat#63834, 1:1,000), Top panel: wild-type (WT); Bottom panal: Cytokine receptor like factor 3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Cytokine receptor like factor 3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μm.