

KD-Validated Anti-FLT1 Mouse Monoclonal Antibody



Catalog #: 63728

Aliases

FLT1; Fms Related Receptor Tyrosine Kinase 1; VEGFR1; Vascular Endothelial Growth Factor Receptor 1; Vascular Permeability Factor Receptor; FLT; Fms-Related Tyrosine Kinase 1 (Vascular Endothelial Growth Factor/Vascular Permeability Factor Receptor); Tyrosine-Protein Kinase Receptor FLT; Fms Related Tyrosine Kinase 1; Tyrosine-Protein Kinase FRT; Fms-Like Tyrosine Kinase 1; EC 2.7.10.1; VEGFR-1; FLT-1; Fms-Related Tyrosine Kinase 1; EC 2.7.10; FRT

Background

Gene Name: FLT1

NCBI Gene Entry: [2321](#)

UniProt Entry: [P17948](#)

Application Information

Molecular Weight: Predicted, 151 kDa; observed, 53 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB7115

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human VEGFR1

Isotype

Mouse IgG1 kappa

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

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

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SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

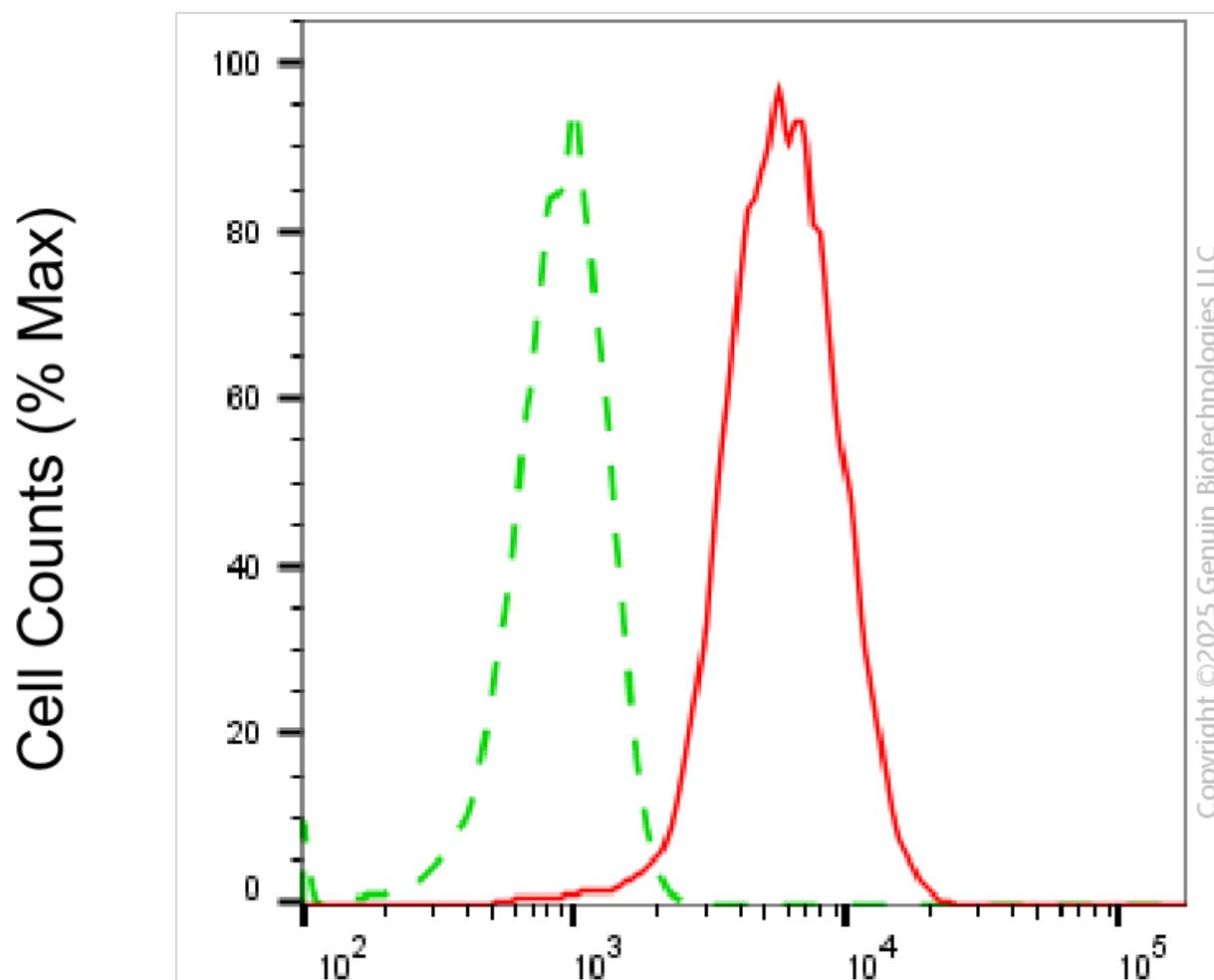
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of FLT1 expression in HepG2 cells using anti-FLT1 antibody (Cat#63728, 1:2,000). Green, isotype control; red, FLT1.

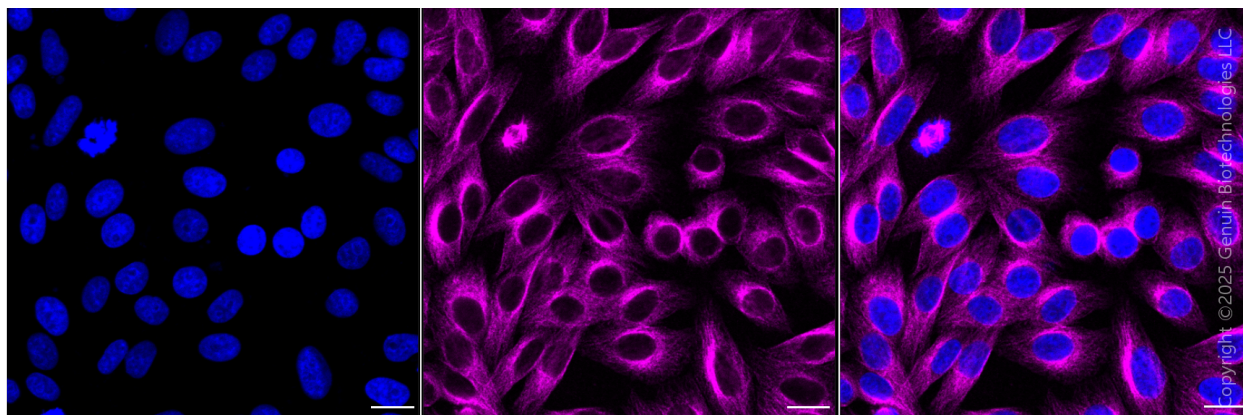
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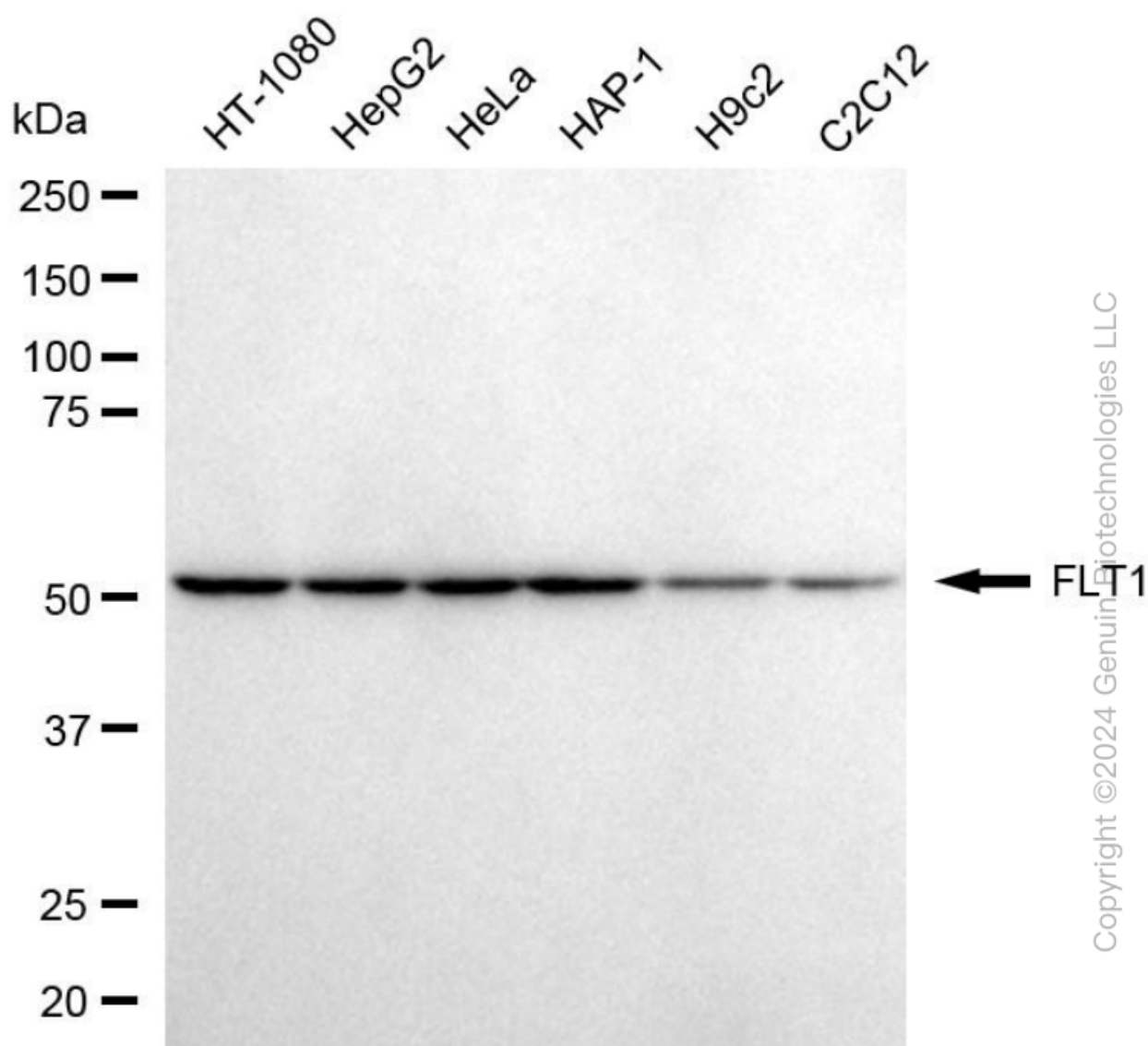
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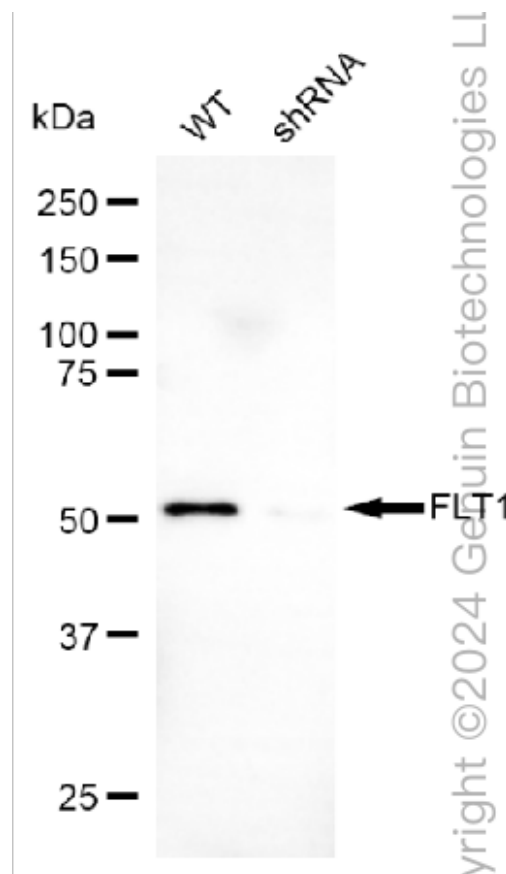
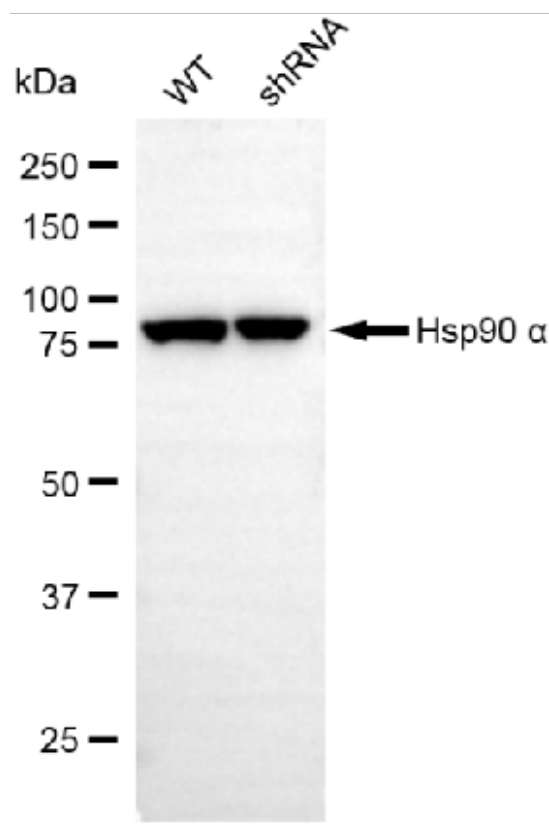
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Immunocytochemical staining of HepG2 cells with anti-FLT1 antibody(Cat#63728, 1:1,000) . Nuclei were stained blue with DAPI; FLT1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 μ m.



Western blotting analysis using anti-FLT1 antibody (Cat#63728). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-FLT1 antibody (Cat#63728, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226). FLT1, fms related receptor tyrosine kinase 1.



Western blotting analysis using anti-FLT1 antibody (Cat#63728). FLT1 expression in wild-type (WT) and FLT1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-FLT1 antibody (Cat#63728, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).