

KD-Validated Anti-CD82 Recombinant Rabbit Monoclonal Antibody



Catalog #: 62059

Aliases

CD82; CD82 Molecule 2; TSPAN27; IA4; CD82 Antigen; KAI1; R2; Kangai 1 (Suppression Of Tumorigenicity 6, Prostate; CD82 Antigen (R2 Leukocyte Antigen, Antigen Detected By Monoclonal And Antibody IA4)); Metastasis Suppressor Kangai-1; Inducible Membrane Protein R2; Tetraspanin-27; C33 Antigen; Tspan-27; SAR2; Suppressor Of Tumorigenicity 6 Protein; Suppression Of Tumorigenicity 6; R2 Leukocyte Antigen; GR15; 4F9; C33

Background

Gene Name: CD82

NCBI Gene Entry: [3732](#)

UniProt Entry: [P27701](#)

Application Information

Molecular Weight: Predicted, 30 kDa, observed, 30-60 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB5795

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human CD82

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

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

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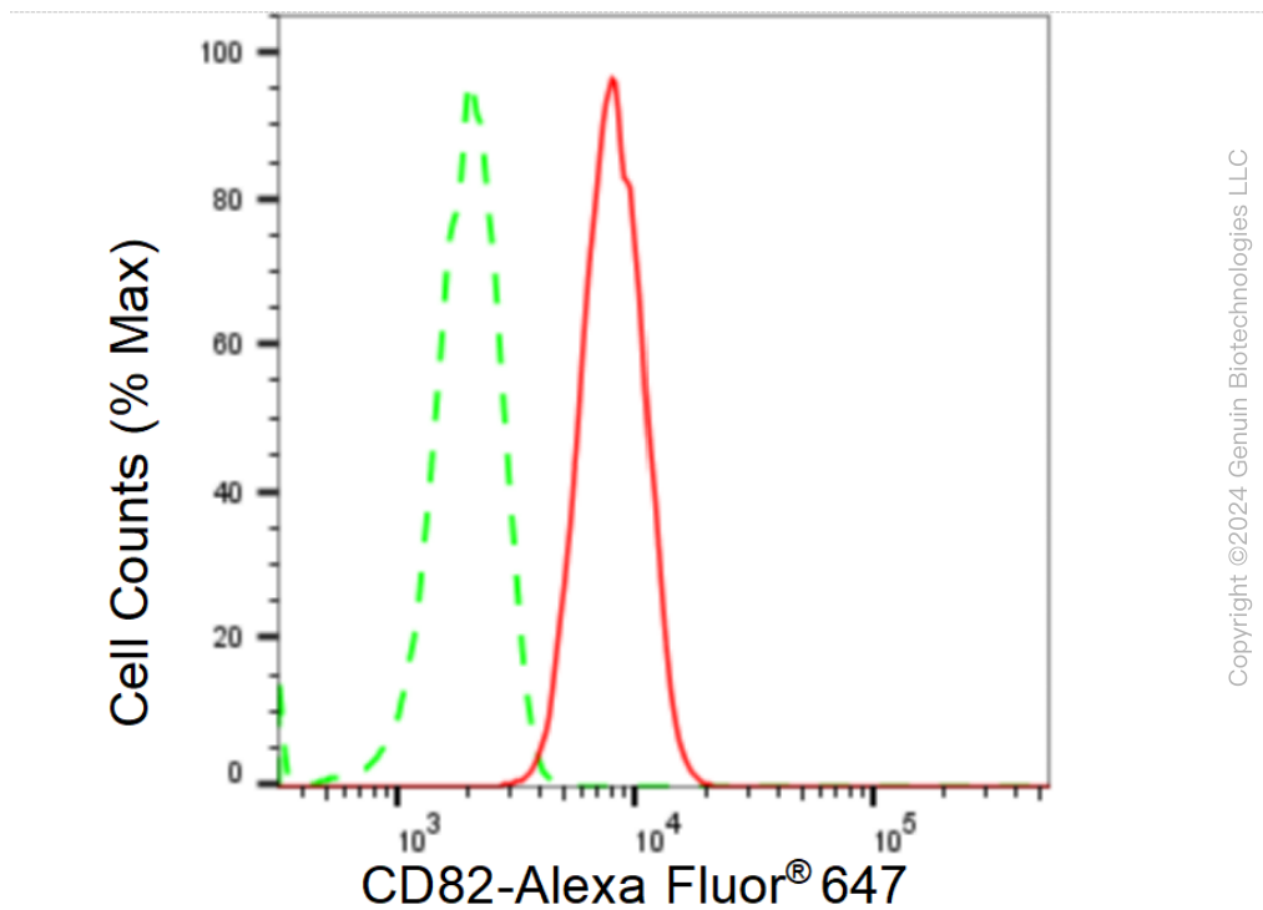
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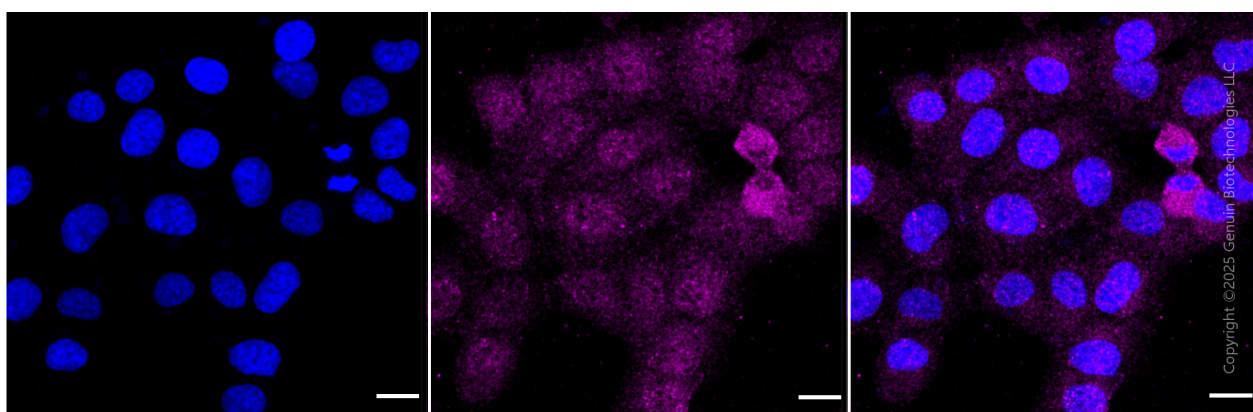
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of CD82 expression in HT-1080 cells using CD82 antibody (Cat#62059, 1:2,000). Green, isotype control; red, CD82.



Immunocytochemical staining of HT-1080 cells with anti-CD82 antibody (Cat #62059, 1:1,000) . Nuclei were stained blue with DAPI; CD82 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain:

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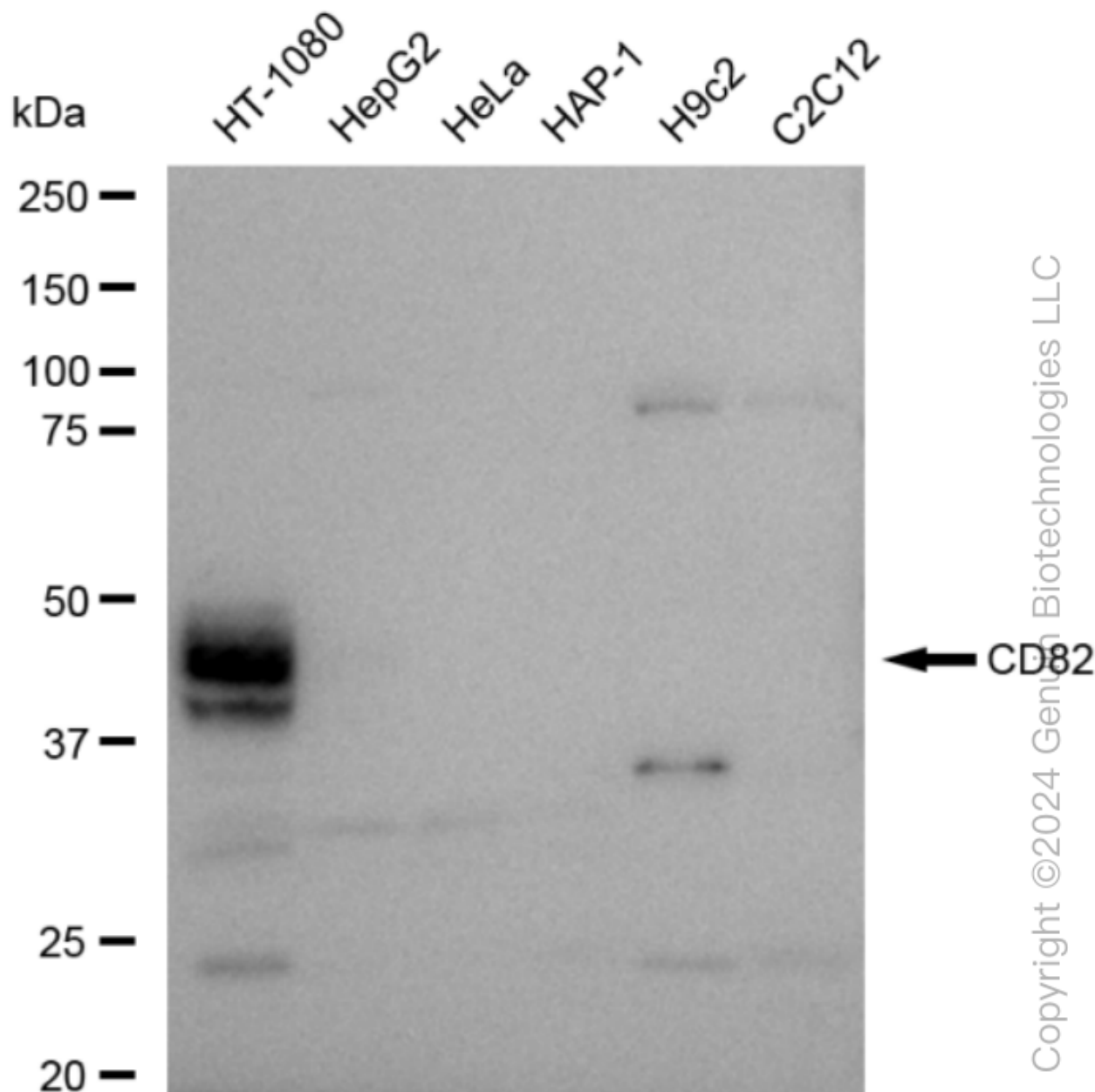
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Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-CD82 antibody (Cat#62059). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD82 antibody (Cat#62059, 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).

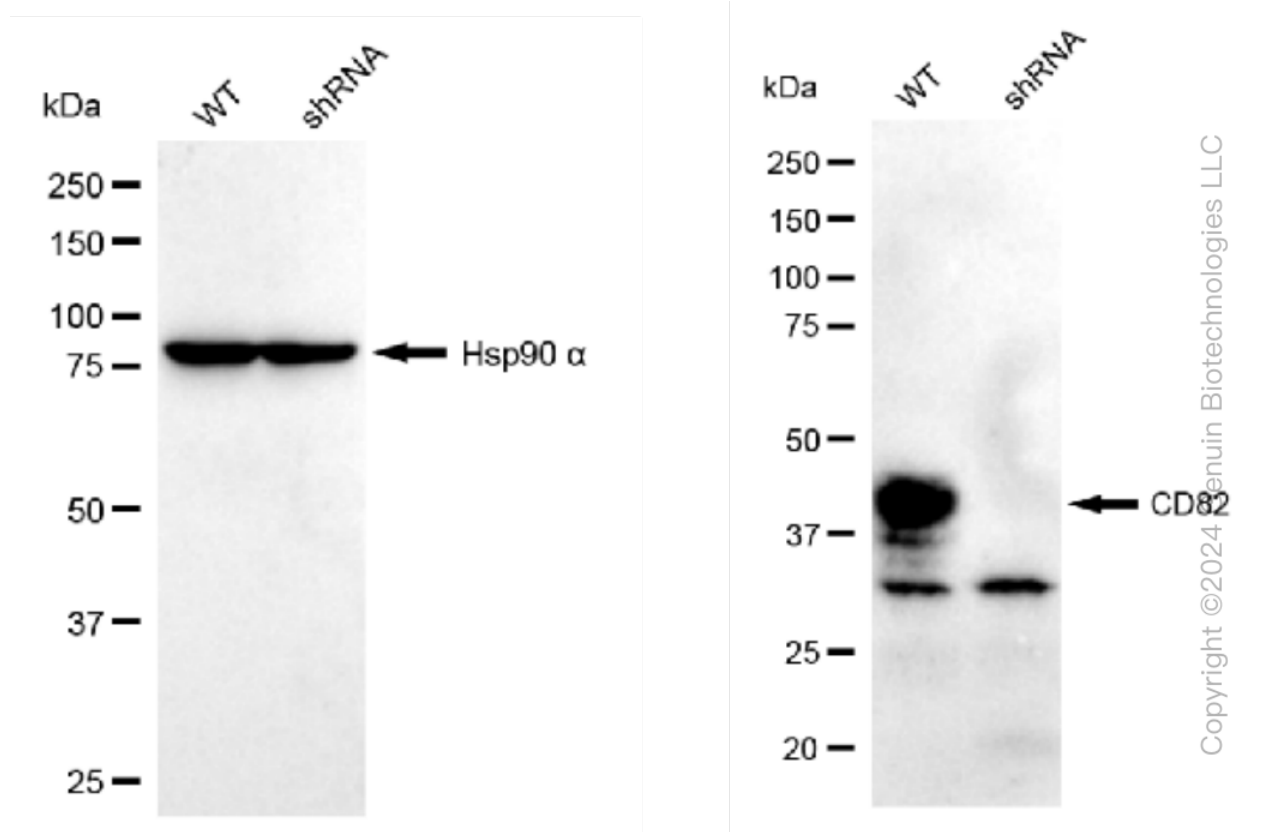
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Western blotting analysis using anti-CD82 antibody (Cat#62059). CD82 expression in wild type (WT) and CD82 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-CD82 antibody (Cat#62059, 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).