

KD-Validated Anti-CD99 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61390

Aliases

CD99; CD99 Molecule (Xg Blood Group); CD99 Antigen; MIC2; Antigen Identified By Monoclonal Antibodies 12E7, F21 And O13; T-Cell Surface Glycoprotein E2; E2 Antigen; MIC2X; MIC2Y; Antigen Identified By Monoclonal 12E7, Y Homolog; MIC2 (Monoclonal Antibody 12E7); Cell Surface Antigen HBA-71; Cell Surface Antigen 12E7; Cell Surface Antigen O13; Surface Antigen MIC2; CD99 Molecule; Protein MIC2; HBA71; MSK5X; 12E7

Background

Gene Name: CD99

NCBI Gene Entry: [4267](#)

UniProt Entry: [P14209](#)

Application Information

Molecular Weight: Predicted, 19 kDa, observed, 28 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB3395

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human CD99

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

SUPPORT

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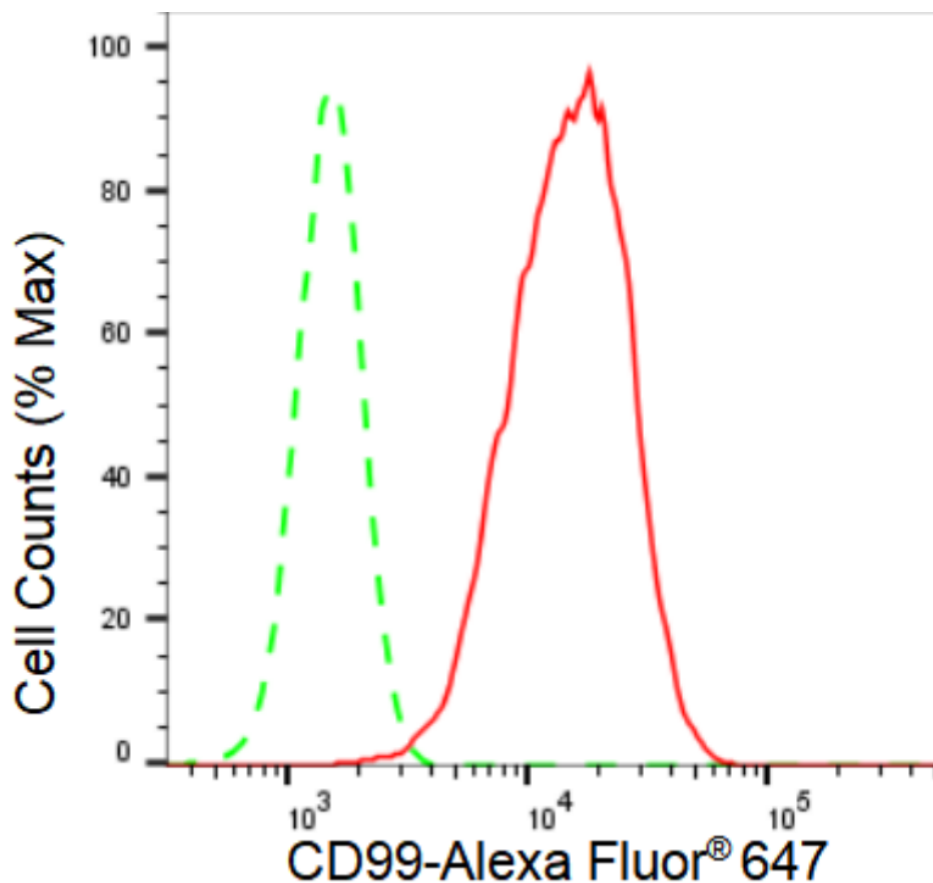
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Note: This product is for research use only.

Validation Data



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Flow cytometric analysis of CD99 expression in HepG2 cells using CD99 antibody (Cat#61390, 1:2,000). Green, isotype control; red, CD99.

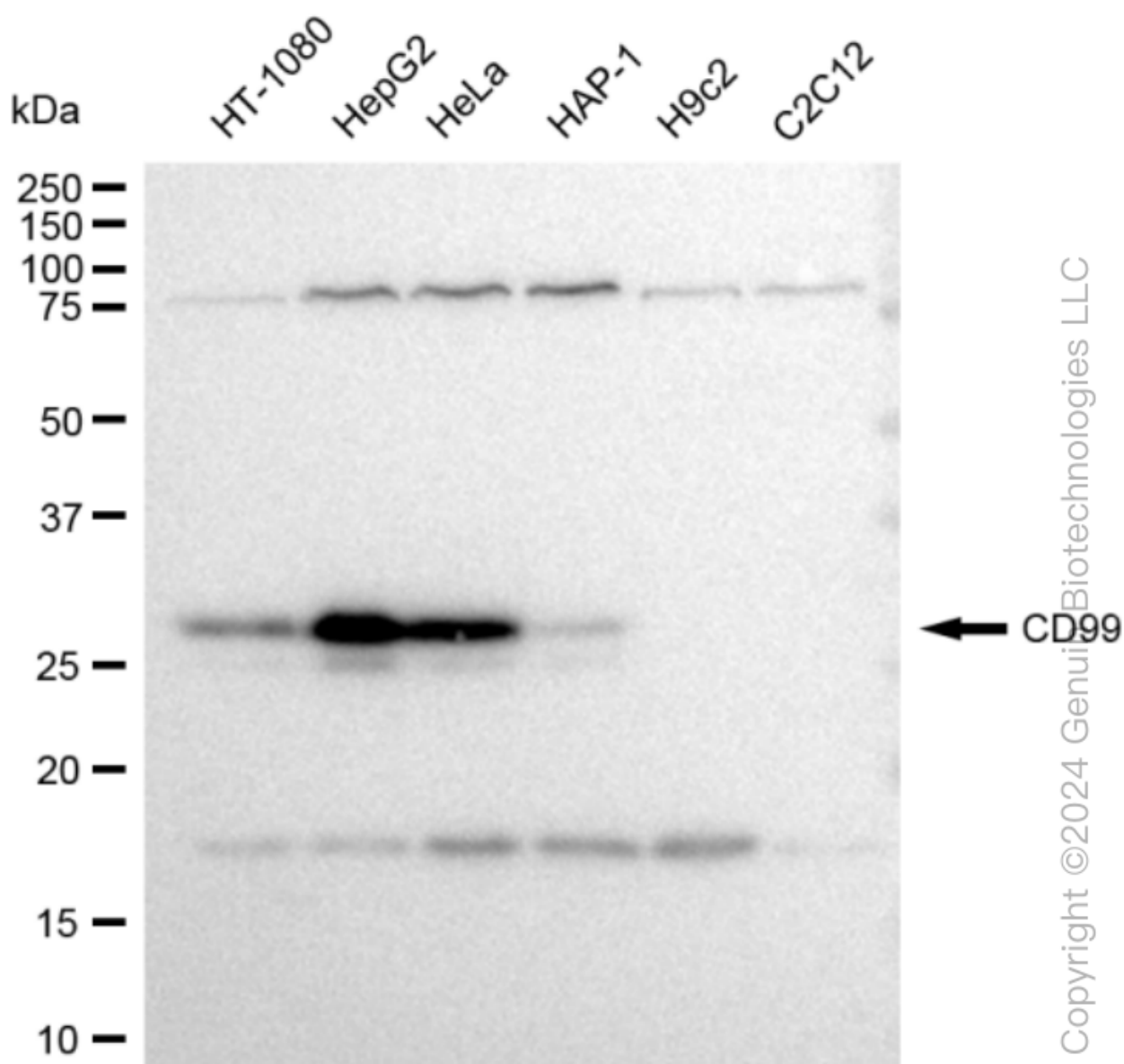
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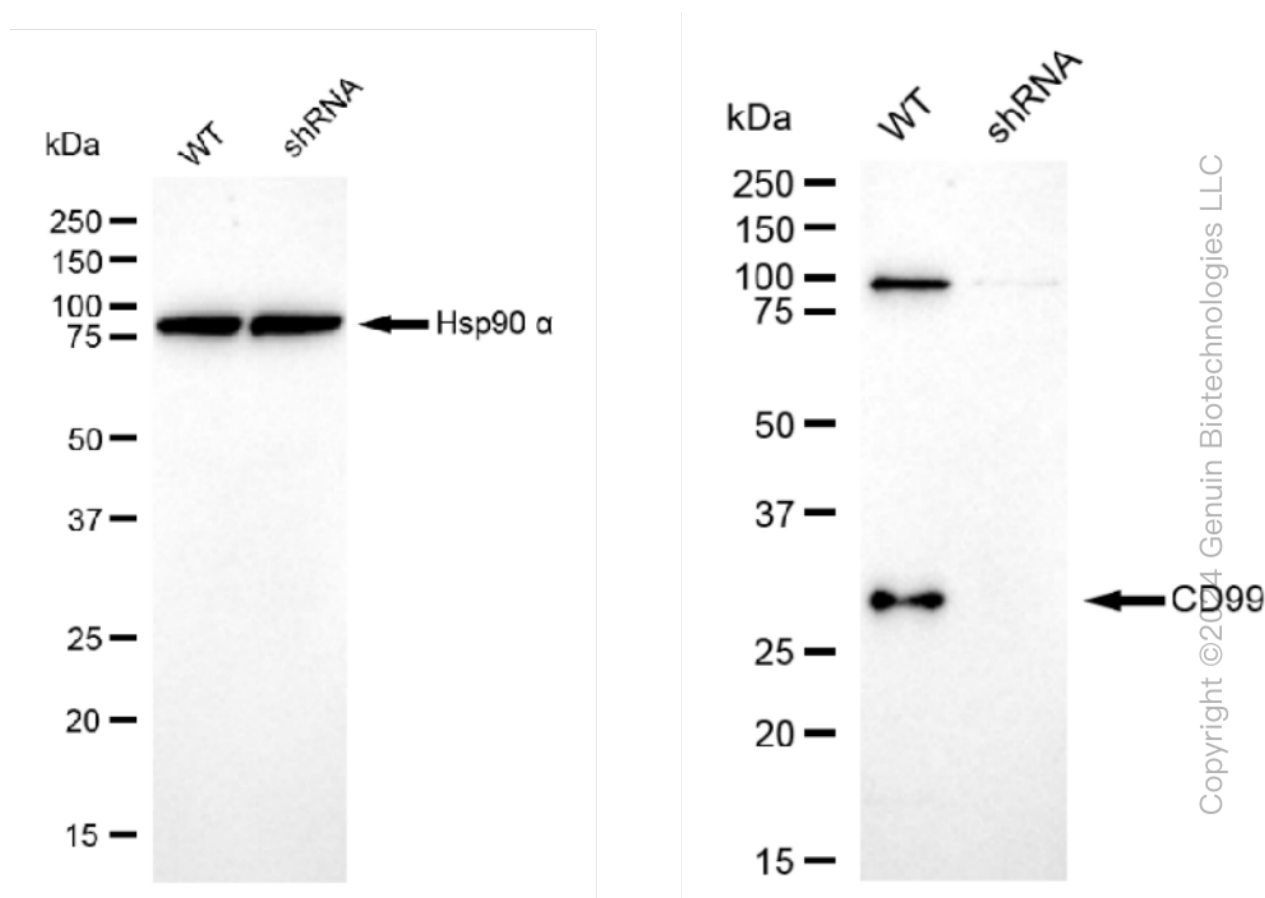
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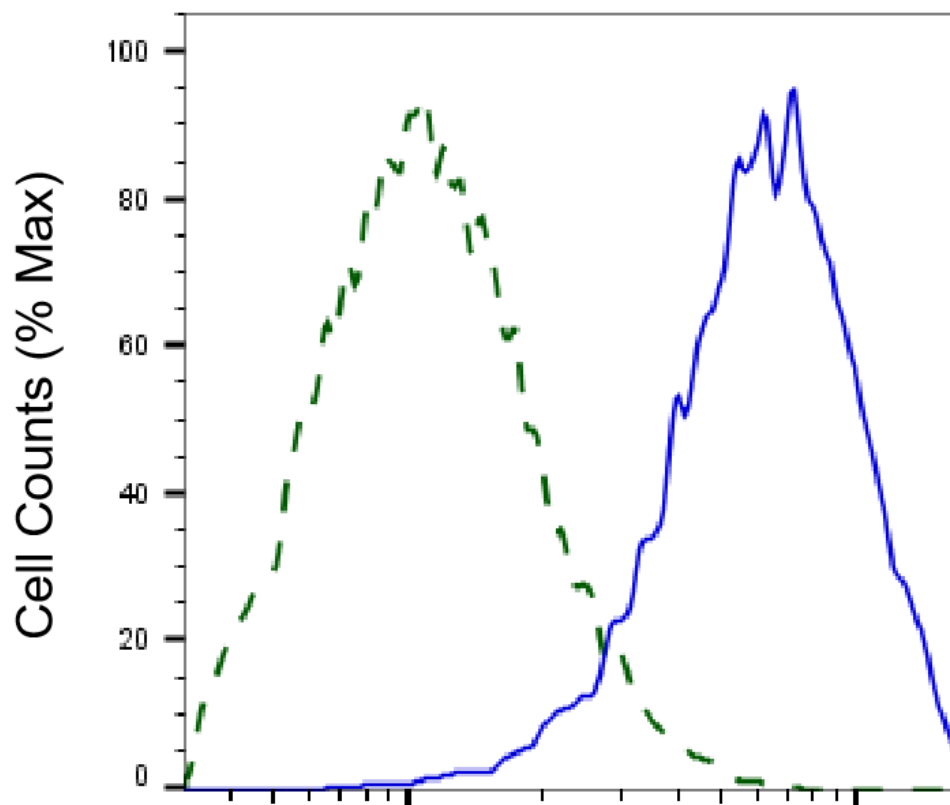
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Western blotting analysis using anti-CD99 antibody (Cat#61390). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD99 antibody (Cat#61390, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-CD99 antibody (Cat#61390). CD99 expression in wild type (WT) and CD99 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-CD99 antibody (Cat#61390, 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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CD99-Alexa Fluor® 647

Validation of CD99 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-CD99 antibody (Cat#61390, 1:2,000) and analyzed using BD flow cytometer.