

# KD-Validated Anti-CD44 Recombinant Rabbit Monoclonal Antibody



## Catalog #: 61351

### Aliases

CD44 Molecule (Indian Blood Group); HUTCH-I; HCELL; CSPG8; MC56; Pgp1; MDU2; MDU3; MIC4; IN; Hematopoietic Cell E- And L-Selectin Ligand; GP90 Lymphocyte Homing/ Adhesion Receptor; Chondroitin Sulfate Proteoglycan 8; Extracellular Matrix Receptor III; Homing Cell Adhesion Molecule; Heparan Sulfate Proteoglycan; Phagocytic Glycoprotein 1; Phagocyte Glycoprotein 1; Hyaluronate Receptor; In(Lu) Related-P80; Hermes Antigen; CD44 Antigen; Hermes-1; ECMR-III; HUTCH-1; ECM-III; Epican; PGP-1; CD44R; CDw44; H-CAM; LHR; CD44 Antigen (Homing Function And Indian Blood Group System); Homing Function And Indian Blood Group System; Extracellular Matrix Receptor-III; Cell Surface Glycoprotein CD44; Indian Blood Group Antigen; Phagocytic Glycoprotein I; Soluble CD44; CDW44; PGP-I

### Background

Gene Name: CD44

NCBI Gene Entry: [960](#)

UniProt Entry: [P16070](#)

### Application Information

Molecular Weight: Predicted, 82 kDa, observed, 75 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB3060

Species Reactivity: Human

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

### Immunogen

A synthesized peptide derived from human CD44

### 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.

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## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

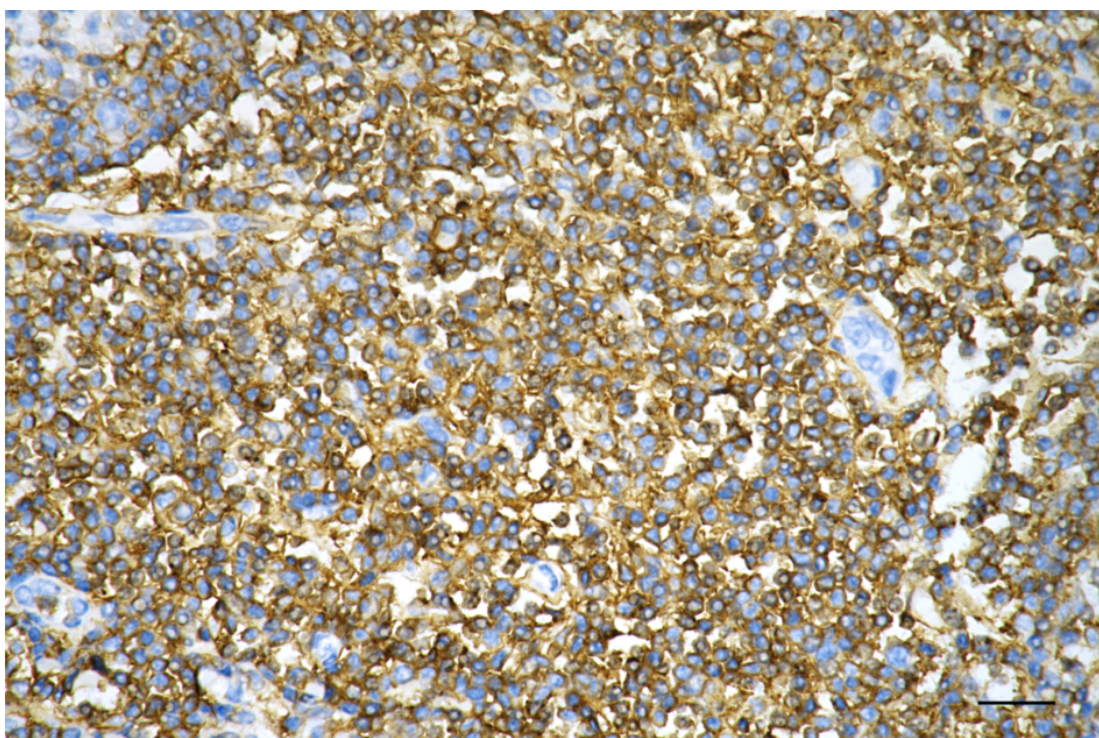
Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Immunohistochemistry (IHC): 1:100-1:200

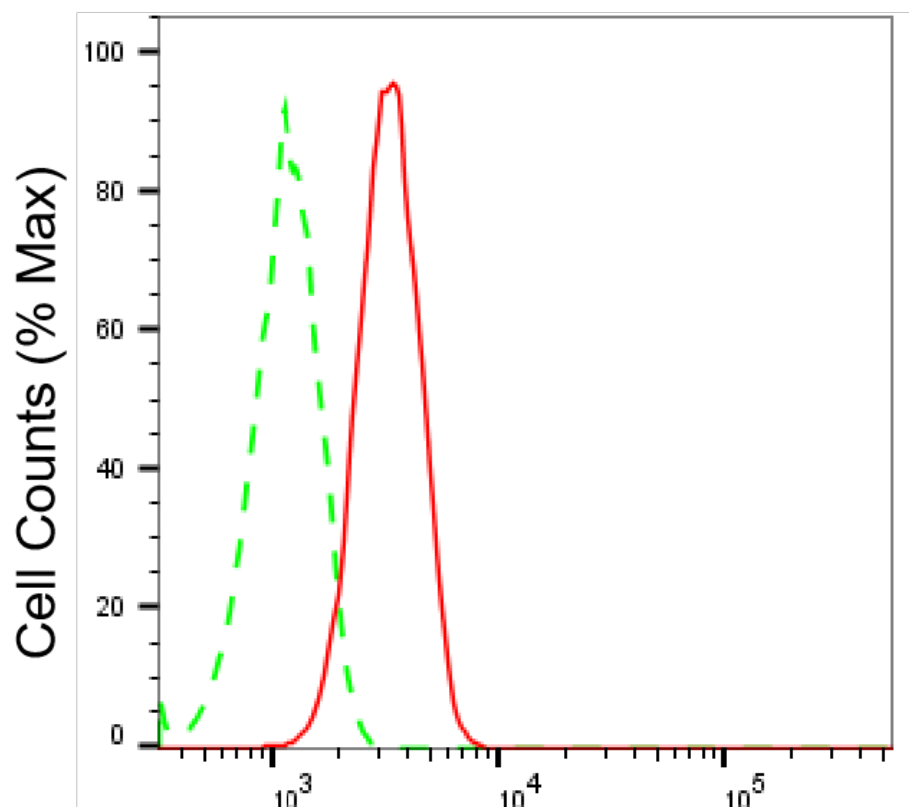
**Note:** This product is for research use only.

## Validation Data



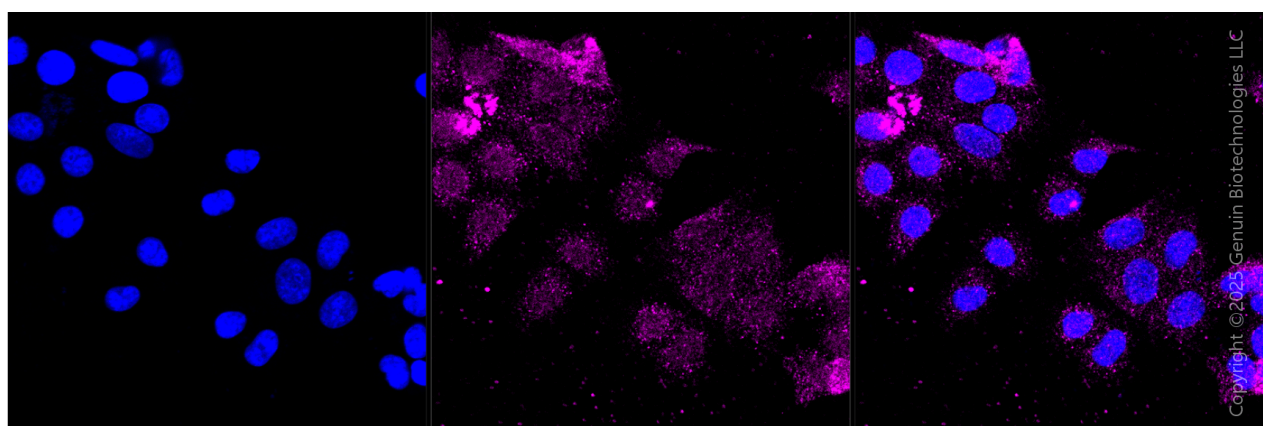
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Immunohistochemistry was performed on paraffin-embedded human tonsillitis using anti-CD44 antibody (Cat#61351, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25  $\mu$ m.



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Flow cytometric analysis of CD44 expression in HT-1080 cells using anti-CD44 antibody (Cat#61351, 1:2,000). Green, isotype control; red, CD44.



Immunocytochemical staining of HepG2 cells with phospho-eIF4E (S209) antibody (Cat#61351, 1:1,000). Nuclei were stained blue with DAPI; Phospho-eIF4E (S209) 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  $\mu$ m.

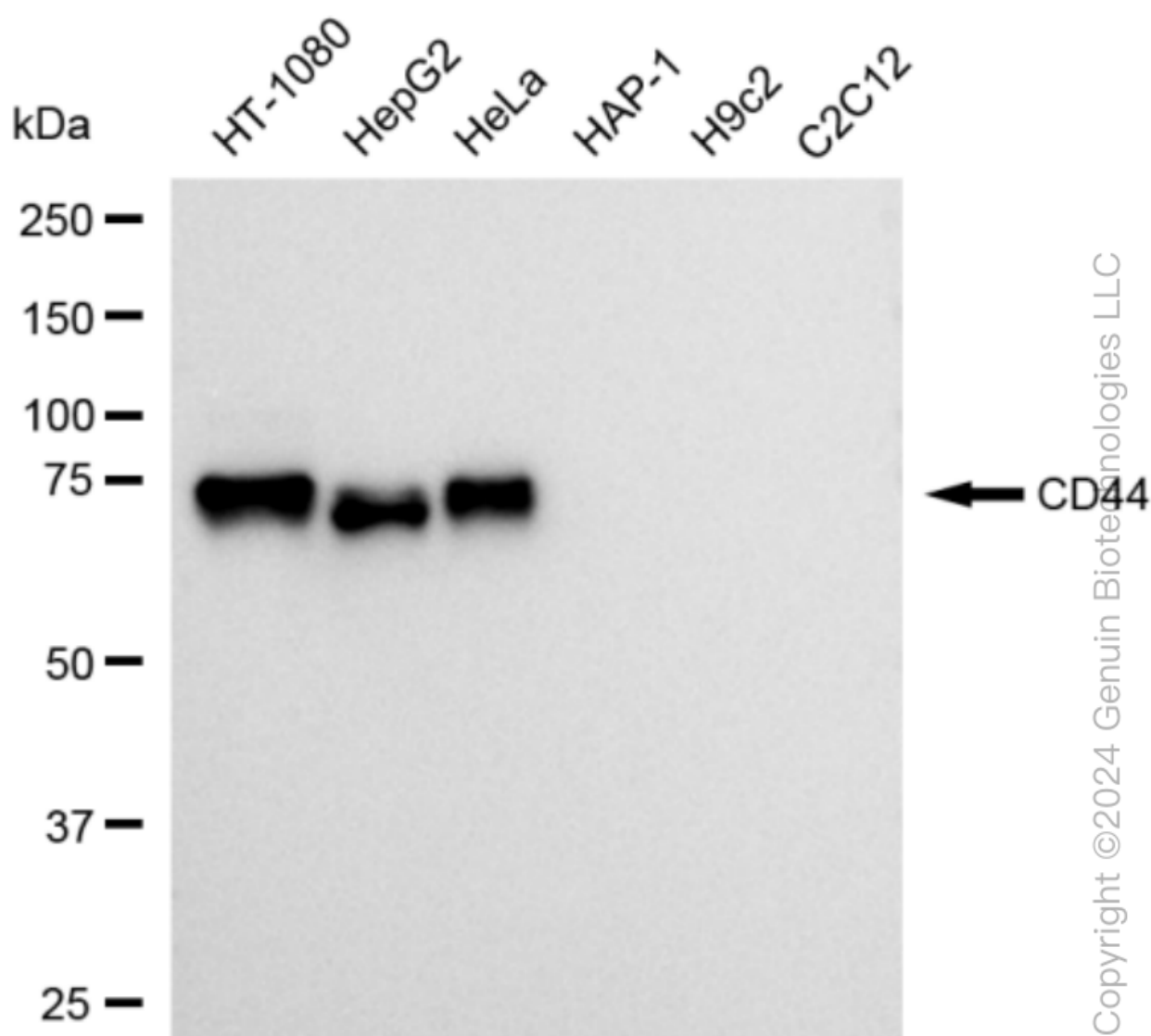
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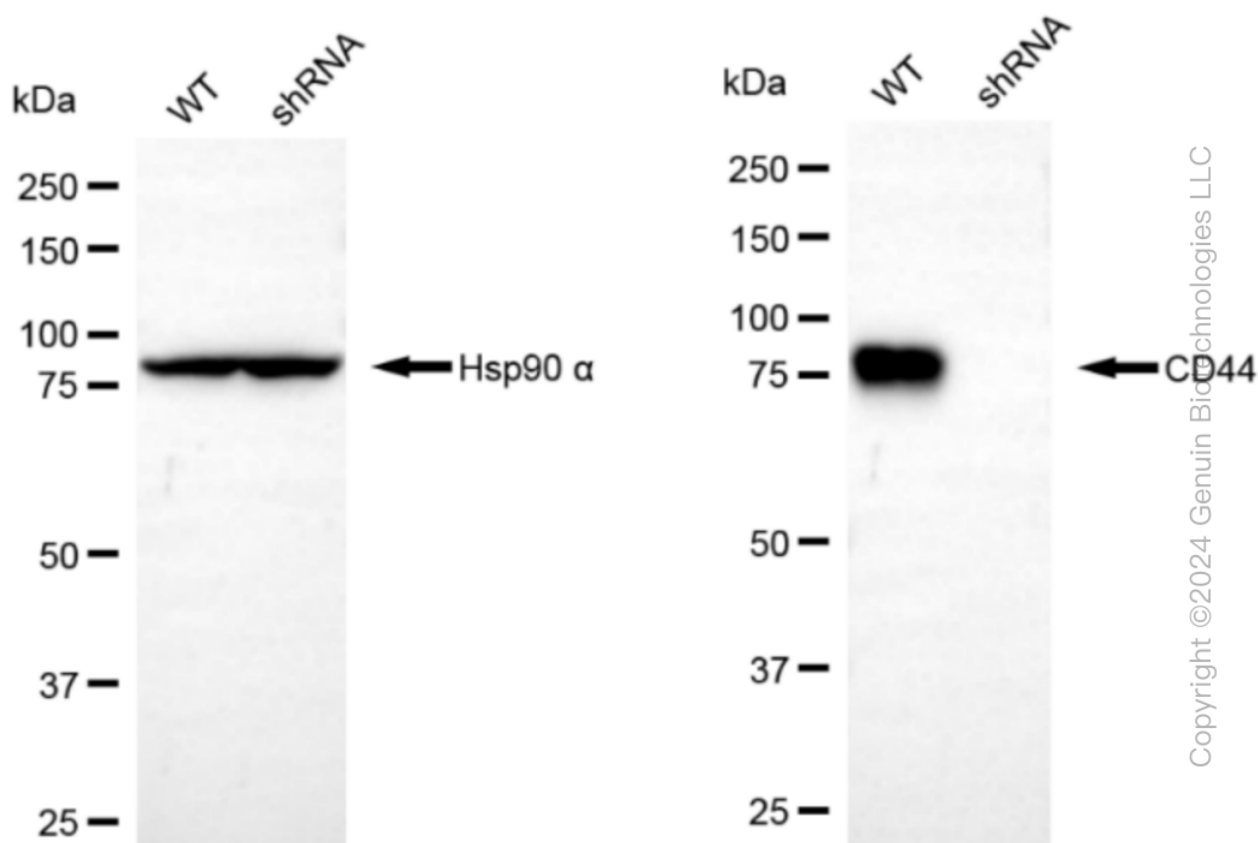
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Western blotting analysis using anti-CD44 antibody (Cat#61351). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD44 antibody (Cat#61351, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-CD44 antibody (Cat#61351). CD44 expression in wild type (WT) and CD44 shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-CD44 antibody (Cat#61351, 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).