

KD-Validated Anti-CD44 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

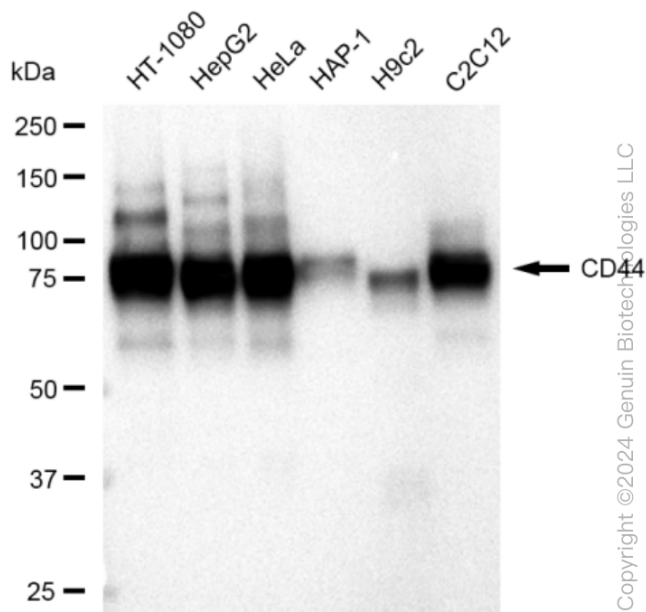
ABG1164

Product Overview

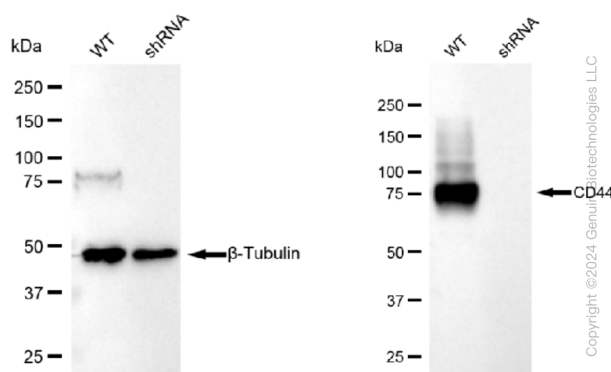
Name	KD-Validated Anti-CD44 Rabbit Monoclonal Antibody
Accession(Primary)	P16070
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CD44
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 82 kDa , observed, 81 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P16070)

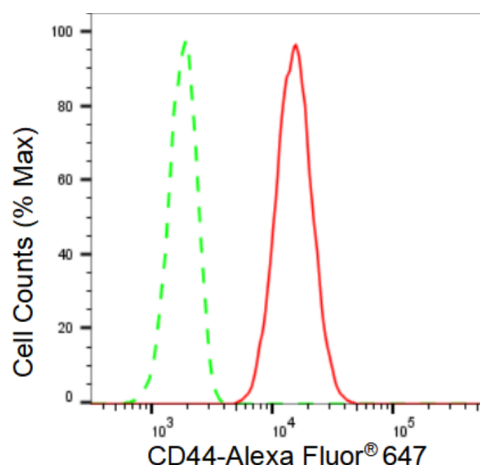
Gene Name	CD44
About Gene Symbol	CD44 (CD44 Molecule (Indian Blood Group)) is a membrane receptor involved in adaptive immunity. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify t



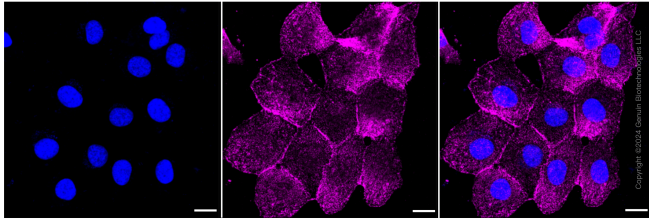
Western blotting analysis using anti-CD44 antibody (Cat#ABG1164). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD44 antibody (Cat#ABG1164, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CD44 antibody (Cat#ABG1164). CD44 expression in wild type (WT) and CD44 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-CD44 antibody (Cat#ABG1164, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CD44 expression in HT-1080 cells using CD44 antibody (Cat#ABG1164, 1:2,000). Green, isotype control; red, CD44.



Immunocytochemical staining of HT-1080 cells with CD44 antibody (Cat#ABG1164, 1:1,000). Nuclei were stained blue with DAPI; CD44 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 μ m.