

CD44 Rabbit mAb

Catalog No.: A19020

Recombinant

12 Publications

Basic Information

Observed MW

82kDa

Calculated MW

82kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, FC

Cross-Reactivity

Human

CloneNo number

ARC52411

Background

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

Recommended Dilutions

WB	1:1000 - 1:5000
IHC-P	1:1000 - 1:5000
IF/ICC	1:50-1:200

Immunogen Information

Gene ID

960

Swiss Prot

P16070

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-178 of human CD44 (NP_000601.3).

Synonyms

IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; H-CAM; HCELL; ECM-III; HUTCH-1; HUTCH-I; ECMR-III; Hermes-1; CD44

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

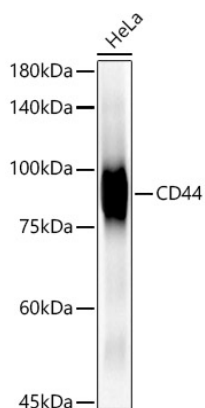
Affinity purification

Storage

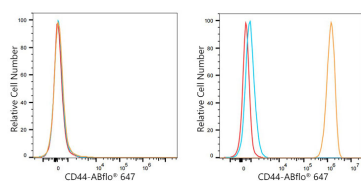
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

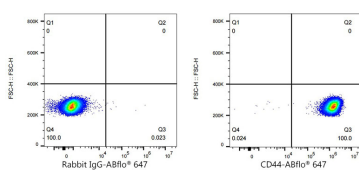
Validation Data



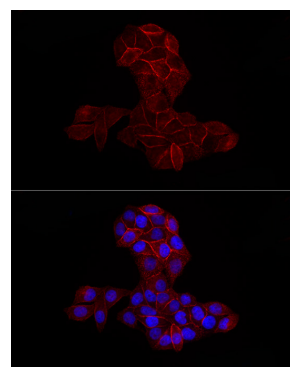
Western blot analysis of lysates from HeLa cells, using CD44 Rabbit mAb (A19020) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10S.



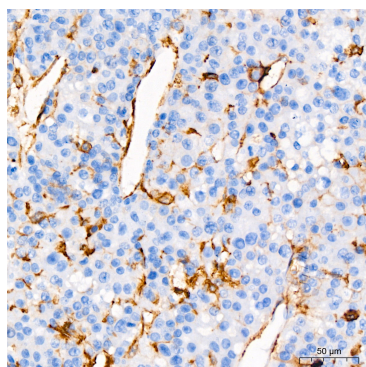
Flow cytometry: 1×10^6 Jurkat cells (negative control, left) and HeLa cells (right) were surface-stained with CD44 Rabbit mAb (A19020, 2.5 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µL/Test, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



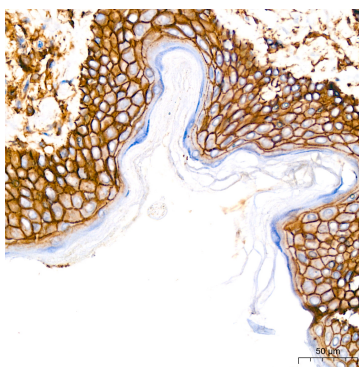
Flow cytometry: 1×10^6 HeLa cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µL/Test, left) or CD44 Rabbit mAb (A19020, 2.5 µg/mL, right).



Immunofluorescence analysis of HeLa cells using CD44 Rabbit mAb (A19020) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of CD44 in paraffin-embedded human liver cancer using CD44 Rabbit mAb (A19020) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CD44 in paraffin-embedded human skin using CD44 Rabbit mAb (A19020) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.