

[KO Validated] CD44 Rabbit mAb

Catalog No.: A19020 **KO Validated** **Recombinant** **22 Publications**

Basic Information

Observed MW

80-95 kDa

Calculated MW

82kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human

Clone/No 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 1:10000 - 1:40000

IHC-P 1:1000 - 1:5000

IF/ICC 1:200-1:2000

ELISA Recommended starting concentration is 1 μ g/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

960

Swiss Prot

P16070

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

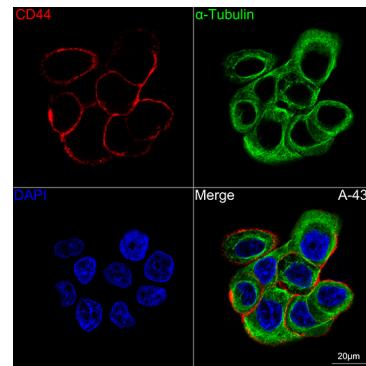
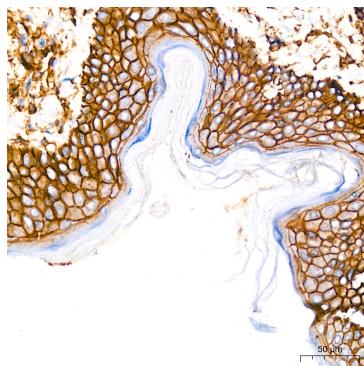
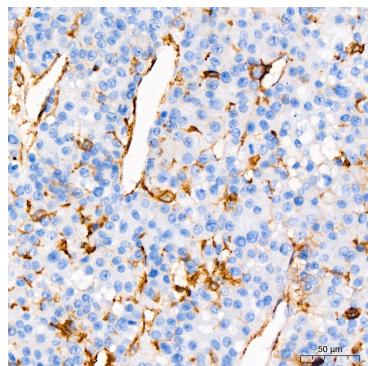
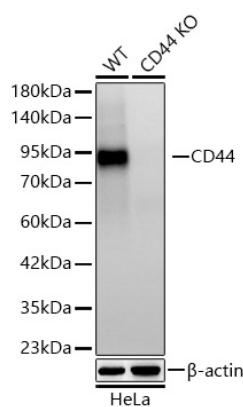
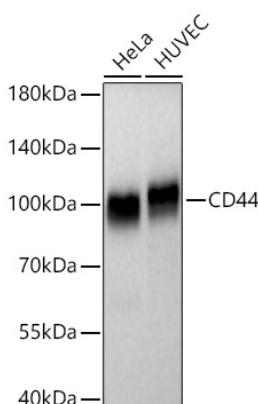
Affinity purification

Storage

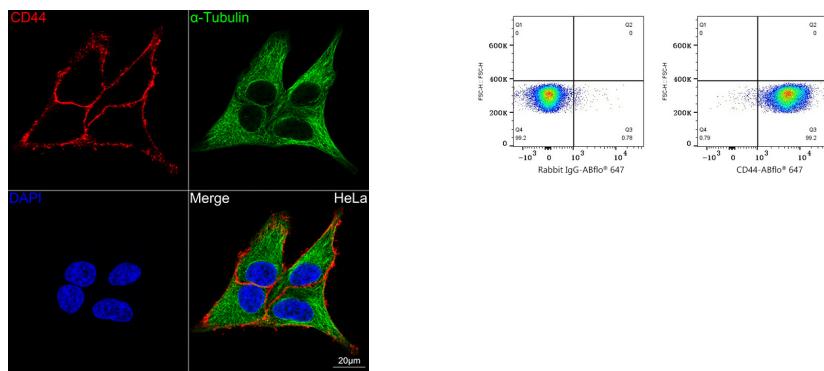
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Validation Data



Confocal imaging of HeLa cells using [KO Validated] CD44 Rabbit mAb (A19020, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABfluo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Flow cytometry: 1×10^6 Human PBMC were surface-stained with Rabbit IgG isotype control (AC042, 2 μg/mL, left) or [KO Validated] CD44 Rabbit mAb (A19020, 2.5 μg/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Cells in the lymphocyte gate were used for analysis.