

A24605

Leader in Biomolecular Solutions for Life Science



CD44 Rabbit mAb

Catalog No.: A24605

Recombinant

Basic Information

Observed MW

86kDa

Calculated MW

86kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IF/ICC,FC,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC63783

Recommended Dilutions

WB 1:1000 - 1:2000

IF/ICC 1:200 - 1:800

FC 1:500-1:1000

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

Contact



www.abclonal.com

Background

Enables hyaluronic acid binding activity and type II transforming growth factor beta receptor binding activity. Contributes to cytokine binding activity and cytokine receptor activity. Involved in several processes, including negative regulation of T cell activation; positive regulation of protein phosphorylation; and regulation of intracellular signal transduction. Acts upstream of or within several processes, including Wnt signaling pathway; morphogenesis of a branching epithelium; and wound healing involved in inflammatory response. Located in basolateral plasma membrane; external side of plasma membrane; and microvillus. Part of macrophage migration inhibitory factor receptor complex. Is expressed in several structures, including alimentary system; branchial arch; central nervous system; genitourinary system; and limb. Human ortholog(s) of this gene implicated in breast carcinoma (multiple); carcinoma (multiple); and prostate cancer. Orthologous to human CD44 (CD44 molecule (Indian blood group)).

Immunogen Information

Gene ID

12505

Swiss Prot

P15379

Immunogen

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

Synonyms

Ly-24; Pgp-1; HERMES; CD44

Product Information

Source

Rabbit

Isotype

IgG

Purification

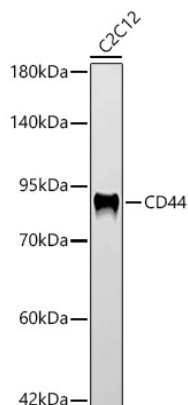
Affinity purification

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



Western blot analysis of lysates from C2C12 cells, using CD44 Rabbit mAb (A24605) at 1:1000 dilution.

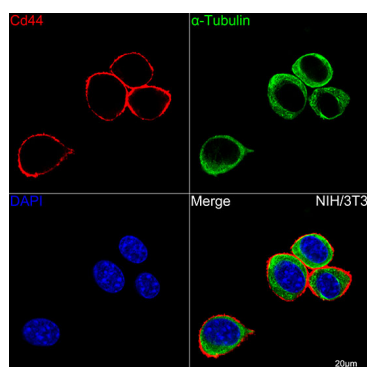
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

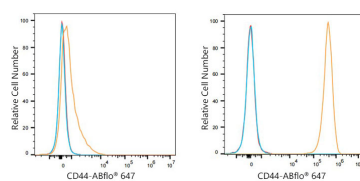
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

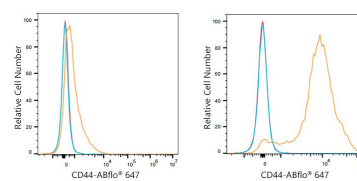
Exposure time: 90s.



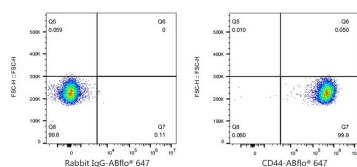
Confocal imaging of NIH/3T3 cells using CD44 Rabbit mAb (A24605, dilution 1:200) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



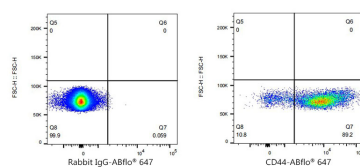
Flow cytometry: 1×10^6 CHO cells (negative control, left) and EL4 cells (right) were surface-stained with CD44 Rabbit mAb (A24605, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 CHO cells (negative control, left) and C57BL/6 splenocytes (right) were surface-stained with CD44 Rabbit mAb (A24605, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, 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 EL4 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, left) or CD44 Rabbit mAb (A24605, 2 µg/mL, right).



Flow cytometry: 1×10^6 C57BL/6 splenocytes were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, left) or CD44 Rabbit mAb (A24605, 2 µg/mL, right).