

ABflo® 647 Rabbit anti-Mouse CD44 mAb

Catalog No.: A24637

Basic Information

Observed MW

Refer to figures

Calculated MW

85kDa

Category

Primary antibody

Applications

IF/ICC,FC

Cross-Reactivity

Mouse

CloneNo number

ARC63783

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

IF/ICC 1:50 - 1:200

FC 5 µl per 10⁶ cells in
100 µl volume

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

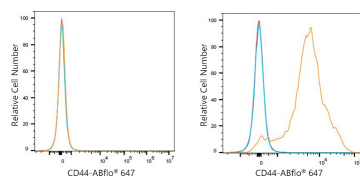
Affinity purification

Storage

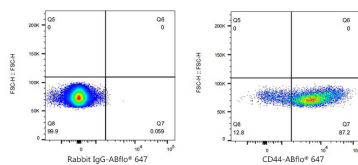
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

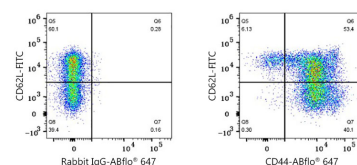
Validation Data



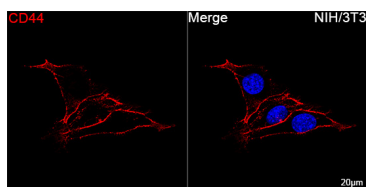
Flow cytometry: 1×10^6 CHO cells (negative control, left) and C57BL/6 splenocytes (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, 5 µl/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 C57BL/6 splenocytes were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, 5 µl/Test, right).



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with FITC Anti-Mouse CD62L (L-Selectin) mAb (A23340, 0.25 µg) and ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, 5 µl/Test, right).



Confocal imaging of NIH/3T3 cells using ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, dilution 1:100). DAPI was used for nuclear staining (Blue). Objective: 100x.