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ABflo® 488 Rabbit anti-Mouse CD44 mAb

Catalog No.: A24636 **1 Publications**

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® 488. Ex:491nm. Em:516nm.

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)).

Recommended Dilutions

IF/ICC	1:50 - 1:200
FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
12505

Swiss Prot
P15379

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 23-176 of mouse CD44 (NP_033981.2).

Synonyms
Ly-24; Pgp-1; HERMES

Contact

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Product Information

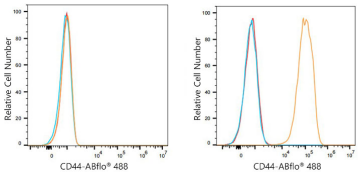
Source
Rabbit

Isotype
IgG

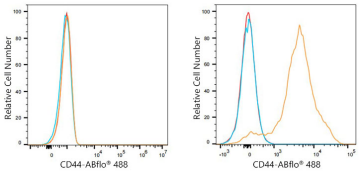
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

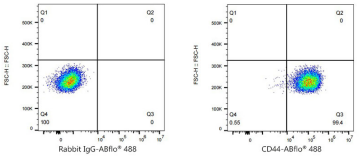
Validation Data



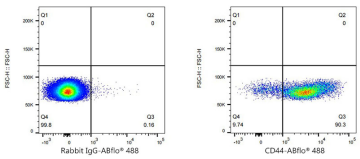
Flow cytometry: 1X10^6 CHO cells (negative control,left) and EL4 cells (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse CD44 mAb (A24636,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



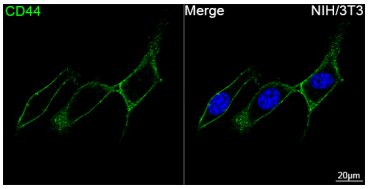
Flow cytometry: 1X10^6 CHO cells (negative control,left) and C57BL/6 splenocytes (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse CD44 mAb (A24636,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 EL4 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Mouse CD44 mAb (A24636,5 µl/Test,right).



Flow cytometry: 1X10^6 C57BL/6 splenocytes were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Mouse CD44 mAb (A24636,5 µl/Test,right).



Confocal imaging of NIH/3T3 cells using ABflo® 488 Rabbit anti-Mouse CD44 mAb (A24636, dilution 1:200). DAPI was used for nuclear staining (Blue). Objective: 100x.