

# 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-ABflo647

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

IF/ICC 1:50 - 1:200

FC 5 µl per 10<sup>6</sup> 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 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

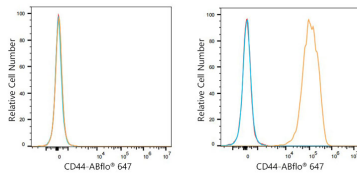
Affinity purification

### Storage

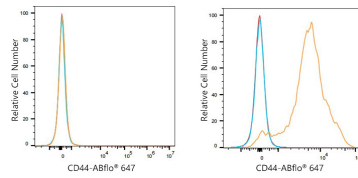
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

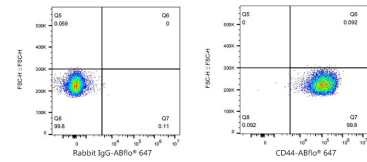
## Validation Data



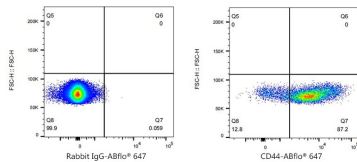
Flow cytometry:  $1 \times 10^6$  CHO cells (negative control, left) and EL4 cells (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



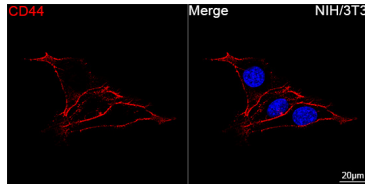
Flow cytometry:  $1 \times 10^6$  CHO cells (negative control, left) and C57BL/6 splenocytes (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently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



Flow cytometry:  $1 \times 10^6$  EL4 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Mouse CD44 mAb (A24637, 5  $\mu$ l/Test, right).



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