

# APC-ABflo® 700 Rabbit anti-Mouse CD44 mAb

Catalog No.: A27729

## Basic Information

### Observed MW

### Calculated MW

86kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC63783-APC-ABflo700

### Conjugate

APC-ABflo® 700. Ex:633nm. Em:715nm.

## 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

FC                    ≤0.25 µg per million 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

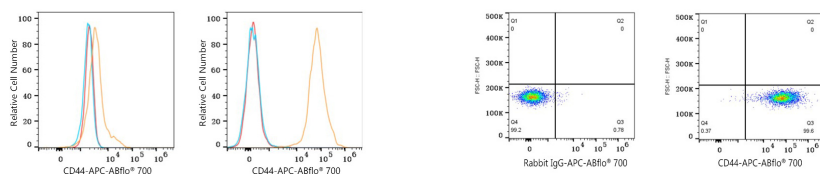
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry: 1X10<sup>6</sup> Neuro-2a cells (Low Expression, left) and C57BL/6 mouse splenocytes (right) were surface-stained with APC-ABflo® 700 Rabbit anti-Mouse CD44 mAb (A27729, 0.25 µg, orange line) or APC-ABflo® 700 Rabbit IgG isotype control (0.25 µg, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface-stained with APC-ABflo® 700 Rabbit IgG isotype control (0.25 µg, left) or APC-ABflo® 700 Rabbit anti-Mouse CD44 mAb (A27729, 0.25 µg, right).