

# APC Rat anti-Mouse CD49f mAb

Catalog No.: A28013

## Basic Information

### Observed MW

### Calculated MW

122kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse, Human

### CloneNo number

ATC0036

### Conjugate

APC. Ex:650nm. Em:660nm.

## Background

This gene encodes a protein that is a member of the integrin superfamily. Integrins are transmembrane receptors involved cell adhesion and signaling, and they are subdivided based on the heterodimer formation of alpha and beta chains. This protein has been shown to heterodimerize with beta 4 to bind laminin and to form the main component of hemidesmosomes, which mediate attachment of epithelia to basement membranes. In mouse, deficiency of this gene is associated with absence of hemidesmosomes, severe skin blistering, and early post-natal death. In humans mutations of this gene are associated with epidermolysis bullosa. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

## Recommended Dilutions

FC ≤0.5 µg per million cells  
in 100 µl volume

## Immunogen Information

### Gene ID

16403

### Swiss Prot

Q61739

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

Cd49f; VLA-6; 5033401O05Rik

## Contact

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## Product Information

### Source

Rat

### Isotype

IgG

### Purification

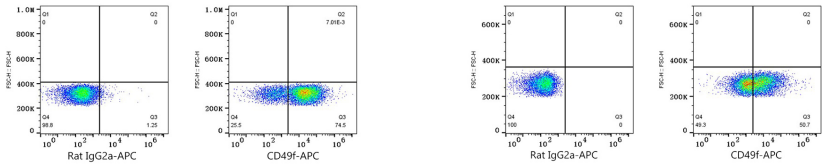
Affinity purification

### 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> Human PBMC were surface-stained with APC Rat IgG2a isotype control (5 µl/Test,left) or APC Rat anti-Mouse CD49f mAb (A28013,0.5 µg,right). Cells in the lymphocyte gate were used for analysis.

Flow cytometry: 1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface-stained with APC Rat IgG2a isotype control (5 µl/Test,left) or APC Rat anti-Mouse CD49f mAb (A28013,0.5 µg,right).