

# FITC Plus Anti-Human CD49b (AK7)

Catalog Number: FITC-65252

## Basic Information

**Catalog Number:**

FITC-65252

**Size:**

100 tests, 5 µl/test

**Source:**

Mouse

**Isotype:**

IgG1, kappa

**GenBank Accession Number:**

NM\_002203

**GeneID (NCBI):**

3673

**Full Name:**

integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)

**Calculated MW:**

126 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

AK7

**Excitation/Emission maxima wavelengths:**

495 nm / 524 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## Background Information

CD49b, also known as alpha2 integrin, is a type I transmembrane glycoprotein which forms an adhesion molecule VLA-2 with beta1 integrin. CD49b is a receptor for many (extracellular) matrix and non-matrix molecules (PMID: 23847623). CD49b is expressed on numerous cell types including platelets, activated T cells, B cells, and monocytes. CD49b activation skews NK cell effector function to a phenotype that exhibits elevated IFN- $\gamma$  production with a concomitant inhibition of motility and cytolytic function (PMID: 32971468, 32762681). The Anti-Human CD49b antibody, clone AK7, is derived from Human platelets.

## Storage

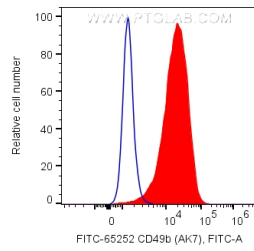
**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD49b (FITC-65252, Clone: AK7). Cells were not fixed. Monocytes were gated.