

# FITC Plus Anti-Human CD54 (15.2) Rabbit Recombinant Antibody

Catalog Number: **FITC-65509**

## Basic Information

**Catalog Number:**

FITC-65509

**Size:**

100 tests, 5 µl/test

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC015969

**GeneID (NCBI):**

3383

**ENSEMBL Gene ID:**

ENSG00000090339

**Full Name:**

intercellular adhesion molecule 1

**Calculated MW:**

90 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

15.2

**Excitation/Emission maxima wavelengths:**

495 nm / 524 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- $\alpha$ , INF- $\gamma$ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by *Plasmodium falciparum* (PMID: 2566624; 2538244; 2475784).

## Storage

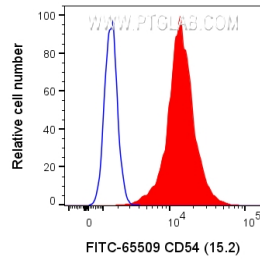
**Storage:**

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

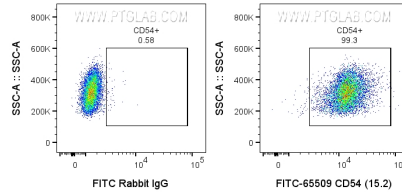
**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA.

## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l FITC Plus Anti-Human CD54 Rabbit Recombinant Antibody (FITC-65509, Clone:15.2) or FITC-conjugated Rabbit IgG control PolyAb (FITC-30000). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Monocytes were gated.



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