

For Research Use Only

# FcZero-rAb® PE-CoraLite® Plus 594 Anti-Human ICAM3/CD50 Rabbit Recombinant Antibody

Catalog Number: PCL594-FcA98097



## Basic Information

**Catalog Number:**  
PCL594-FcA98097

**Size:**  
100 tests, 5 ul/test

**Source:**  
Rabbit

**Isotype:**  
IgG

**GenBank Accession Number:**  
BC058903

**GeneID (NCBI):**  
3385

**UNIPROT ID:**  
P32942

**Full Name:**  
intercellular adhesion molecule 3

**Calculated MW:**  
547 aa, 60 kDa

**Purification Method:**  
Protein A purification

**CloneNo.:**  
241418E8

**Recommended Dilutions:**  
FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**  
496 nm, 565 nm / 604 nm

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

**Positive Controls:**

FC : human PBMCs,

## Background Information

The intercellular adhesion molecule (ICAM) family is a subfamily of immunoglobulin superfamily with five known ICAM family members (ICAM1 to ICAM5) which play a role in inflammation, immune responses, and intracellular signaling (PMID: 23287428; 29477378). ICAM3, also known as CD50, is a type I transmembrane glycoprotein that contains five C2-type immunoglobulin-like domains in its extracellular region, a single transmembrane segment, and a C-terminus cytoplasmic tail. ICAM3 is selectively expressed on leukocytes (PMID: 1730916; 8132828). It is the primary ligand for LFA-1 and is involved in various immune processes, including T-cell activation, and macrophage recognition of apoptotic cells (PMID: 11812993; 23775590).

## 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, pH7.3

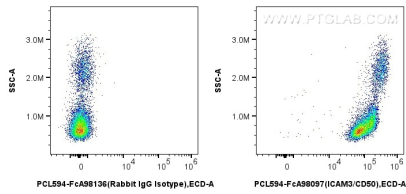
For technical support and original validation data for this product please contact:

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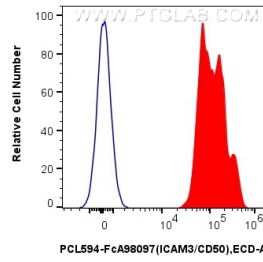
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE-CorLite® Plus 594 Anti-Human ICAM3/CD50 Rabbit RecAb (PCL594-FcA98097, Clone: 241418E8) or FcZero-rAb® PE-CorLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE-CorLite® Plus 594 Anti-Human ICAM3/CD50 Rabbit RecAb (PCL594-FcA98097, Clone: 241418E8) (red) or FcZero-rAb® PE-CorLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.