

For Research Use Only

# FcZero-rAb® CoraLite® Plus 488 Anti-Human ICAM3/CD50 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98097



## Basic Information

<b>Catalog Number:</b> CL488-FcA98097	<b>GenBank Accession Number:</b> BC058903	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100 tests, 5 ul/test	<b>GeneID (NCBI):</b> 3385	<b>CloneNo.:</b> 241418E8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P32942	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 3	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
	<b>Calculated MW:</b> 547 aa, 60 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> human	

## 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).

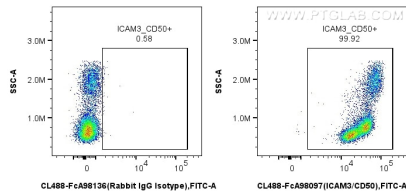
## Storage

**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

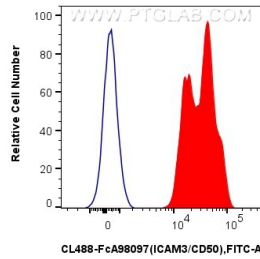
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human ICAM3/CD50 Rabbit RecAb (CL488-FcA98097, Clone: 241418E8) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human ICAM3/CD50 Rabbit RecAb (CL488-FcA98097, Clone: 241418E8) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.