

For Research Use Only

# Anti-Human ICAM3/CD50 Rabbit Recombinant Antibody

Catalog Number: 98097-1-RR



## Basic Information

Catalog Number:

98097-1-RR

Size:

100ug, 1000 µg/ml

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

## Applications

Tested Applications:

FC

Species Specificity:

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

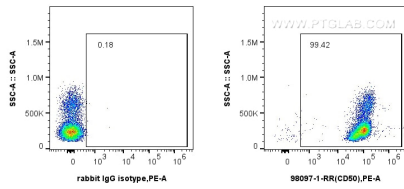
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

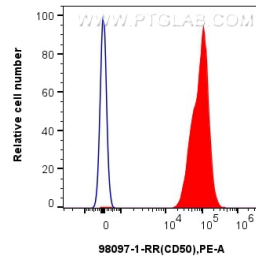
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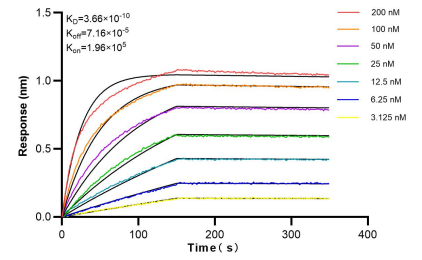
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human ICAM3/CD50 Rabbit Recombinant Antibody (98097-1-RR, Clone:241418E8) or Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



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Biolayer interferometry (BLI) kinetic assays of 98097-1-RR against Human ICAM3/CD50 were performed. The affinity constant is 0.366 nM.