

For Research Use Only

Anti-Human CD99 Rabbit Recombinant Antibody

Catalog Number: 98174-1-RR



Basic Information

Catalog Number:

98174-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC021620

GeneID (NCBI):

4267

UNIPROT ID:

P14209

Full Name:

CD99 molecule

Calculated MW:

19 kDa, 16 kDa, 17 kDa

Purification Method:

Protein A purification

CloneNo.:

241737H1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

CD99, also known as MIC2, is a heavily O-glycosylated transmembrane protein involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. CD99 is broadly distributed on many cell types, with particularly strong expression on human cortical thymocytes, Ewing's sarcoma cells and peripheral primitive neuroectodermal tumors (PMID: 9794396; 16984917). In normal cells, CD99 has been functionally implicated in cell adhesion, migration, apoptosis, differentiation, activation, and proliferation of lymphocytes and monocyte extravasation and transport of several transmembrane proteins (PMID: 16984917).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

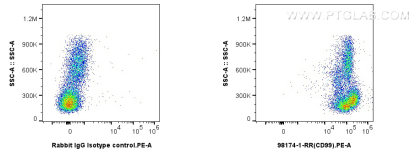
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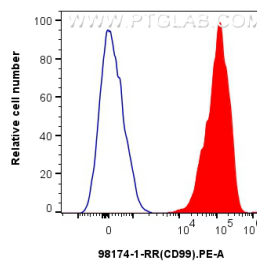
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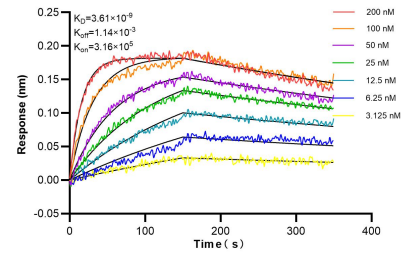
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD99 Rabbit Recombinant Antibody (98174-1-RR, Clone:241737H1) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD99 Rabbit Recombinant Antibody (98174-1-RR, Clone:241737H1) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98174-1-RR against Human CD99 were performed. The affinity constant is 3.61 nM.