

For Research Use Only

Anti-Human CD99 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98174-1-PBS



Basic Information

Catalog Number:

98174-1-PBS

Size:

1mg, 2 mg/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

Applications

Tested Applications:

FC, Cytometric bead array, Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

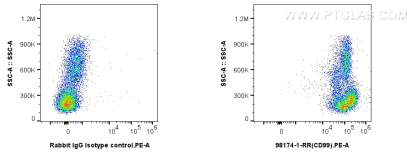
T: 4006900926

E: Proteintech-CN@ptglab.com

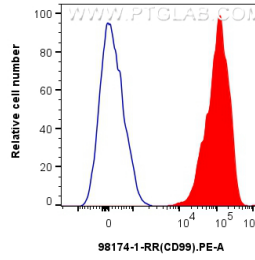
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

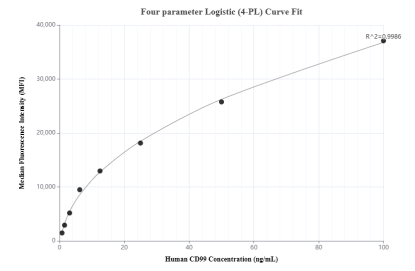
Selected Validation Data



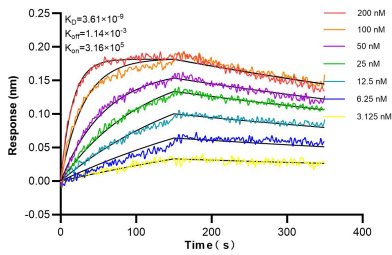
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD99 Rabbit Recombinant Antibody (98174-1-RR, Clone:241737H1) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98174-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 98174-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01403-1, CD99 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 98174-1-PBS. Detection antibody: 84580-1-PBS. Standard: RP02321. Range: 0.781-100 ng/mL.



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