

For Research Use Only

Anti-Human CD72 (3F3)

Catalog Number: 65157-1-Ig



Basic Information

Catalog Number:

65157-1-Ig

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC011734

GeneID (NCBI):

971

UNIPROT ID:

P21854

Full Name:

CD72 molecule

Purification Method:

Purified by precipitation and chromatography

CloneNo.:

3F3

Recommended Dilutions:

FC: 0.5 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : human peripheral blood lymphocytes,

Background Information

CD72 is a type II transmembrane glycoprotein of 39-45 kDa and is expressed as a disulphide-linked homodimer (PMID: 1711157). CD72 is a pan B-cell marker covering the full range of differentiation from the very early stages of B cells to mature surface Ig+ B cells (PMID: 1384316). It is expressed in all stages of B cell development except plasma cells. CD72 is also expressed by dendritic cells, tissue macrophages in the red pulp of the spleen and von Kupffer cells in the liver (PMID: 8561576; 1384316). CD72 is the ligand for CD5 (PMID: 1711157). CD72 is a negative regulator of BCR signaling (PMID: 9590210). Interaction of CD100 with CD72 strictly tunes the strength of BCR signals and is essential for maintaining immunological homeostasis as well as generating a proper immune response (PMID: 16113236).

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

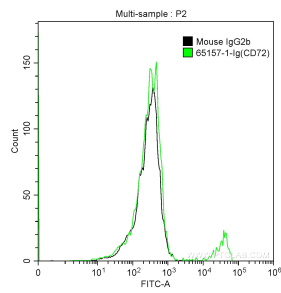
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 0.5 ug Anti-Human CD72 (65157-1-Ig, Clone: 3F3) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 0.5 ug isotype control and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.