

For Research Use Only

Anti-Human CD9 (MM2/57)

Catalog Number: 65070-1-Ig



Basic Information

Catalog Number:

65070-1-Ig

Size:

100ug, 0.1 mg/ml

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

BC011988

GeneID (NCBI):

928

UNIPROT ID:

P21926

Full Name:

CD9 molecule

Calculated MW:

228 aa, 25 kDa

Purification Method:

Affinity purification

CloneNo.:

MM2/57

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood platelets,

Background Information

CD9, also known as Tspan-29, p24 or MIC3, is a member of the tetraspanin superfamily (PMID: 1879540). It is expressed on a large variety of hematopoietic and non-hematopoietic cells, such as stromal cells, megakaryocytes, platelets, B and T lymphocytes, dendritic cells, endothelial cells, mast cells, eosinophils, and basophils (PMID: 30356731). CD9 interacts with the integrin family and other membrane proteins, and is involved in cell adhesion, cell motility and tumor metastasis (PMID: 8478605; 21428940; 25805926). Expression of CD9 enhances membrane fusion between muscle cells and support myotube maintenance (PMID:10459022). On oocytes, CD9 is hypothesized to play a role in fertilization of mammals (PMID: 25536312).

Storage

Storage:

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

Storage Buffer:

Borate buffered saline, pH8.2

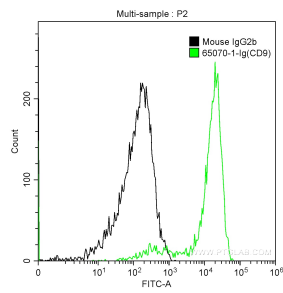
For technical support and original validation data for this product please contact:

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

Selected Validation Data



1×10^6 human peripheral blood platelets were surface stained with 0.25 μ g Anti-Human CD9 (65070-1-Ig, Clone: MM2/57) and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 0.25 μ g mouse IgG2b isotype control and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.