

For Research Use Only

# Biotin Anti-Human CD9 (MM2/57)

Catalog Number: **Biotin-65070**



## Basic Information

Catalog Number:

Biotin-65070

Size:

100 tests, 5 µl/test

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: 0.5 µg per 10<sup>6</sup> cells in 100 µl suspension

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : MCF-7 cells,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

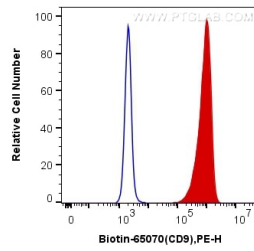
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> MCF-7 cells were surface stained with 5  $\mu$ l Biotin Anti-Human CD9 (Biotin-65070, Clone: MM2/57) (red) or Control Antibody (blue), followed by Streptavidin PE. Cells were not fixed.