

For Research Use Only

FITC Anti-Human CD9 (MM2/57)

Catalog Number: FITC-65070

1 Publications



Basic Information

Catalog Number:

FITC-65070

Size:

100 tests, 10 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: 10 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

498 nm / 526 nm

Applications

Tested Applications:

FC

Cited 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Shi	36561044	Front Bioeng Biotechnol	FC

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

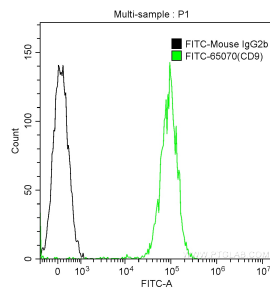
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.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 peripheral blood platelets were surface stained with 10 ul FITC Anti-Human CD9 (FITC-65070, Clone: MM2/57) (green) or FITC-mouse IgG2b isotype control (black). Cells were not fixed.