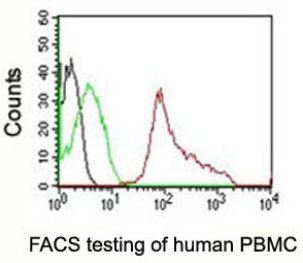
# CD63 Antibody PE Conjugate [clone MX-49.129.5] (V2071PE)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2071PE-100T | 500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 Tests |

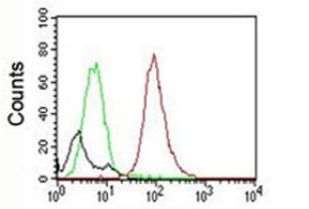
**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human and Mouse. Other species not known. |
| **Format** | PE Conjugate |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | MX-49.129.5 |
| **Purity** | Protein G affinity chromatography |
| **Buffer** | 1X PBS, pH 7.4 |
| **Gene ID** | 967 (Human) |
| **Localization** | Cytoplasmic |
| **Applications** | Flow Cytometry: 5ul/test/million cells or 5ul/test/100ul of whole blood<br>Immunofluorescence: 1:50-1:100 for 30 minutes at RT |
| **Limitations** | This **CD63 antibody** is available for research use only. |



FACS testing of human PBMC

FACS testing of human PBMC: Black=cells alone; Green=isotype control; Red=CD63 antibody



FACS testing of mouse NIH 3T3 cells

FACS testing of mouse NIH3T3 cells: Black=cells alone; Green=isotype control; Red=CD63 antibody

## Description

CD63 antibody PE conjugate targets the tetraspanin CD63, a membrane and vesicle-associated protein central to adhesion, degranulation, and exosome biology. The direct phycoerythrin conjugation provides bright red-orange fluorescence for use in flow cytometry, microscopy, and other fluorescence-based studies. NSJ Bioreagents offers this conjugate for reliable detection of CD63 in immunology, oncology, and vesicle trafficking research.

The antibody highlights CD63 expression on immune cells during activation, supporting studies of basophil and mast cell degranulation. Its fluorescent detection allows for rapid and accurate evaluation of immune responses in allergy and inflammation.

In oncology, CD63 antibody PE conjugate has been used to profile tumor exosomes and vesicle-mediated signaling. Exosome detection with this reagent helps clarify communication pathways that drive invasion and metastasis. By labeling vesicle-associated CD63, researchers gain a clearer view of how tumor microenvironments are shaped.

Validated for fluorescence-based assays, this conjugate produces bright signals with minimal background interference. Alternate names include tetraspanin 30 antibody, granulophysin antibody, and LAMP-3 antibody.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

## Immunogen

Full length human CD63 was used as the immunogen for this antibody.

## Storage

Store the CD63 antibody at 2-8oC. Conjugate is light sensitive, store in the dark.

## Alternate Names

gp55; granulophysin; Lysosomal-associated membrane protein 3 (LAMP-3); Mast cell antigen AD1; melanoma 1 antigen; Melanoma-associated antigen MLA1; Melanoma-associated antigen ME491; MLA1; NGA; Ocular melanoma-associated antigen; OMA81H; PTLGP40; Tetraspanin-30; TSPAN30, CD63 antibody

References (3)

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