Description: MOUSE ANTI HUMAN CD63

Specificity: CD63

Format: Purified

Product Type: Monoclonal Antibody

Clone: MEM-259

Isotype: IgG1

Quantity: 25 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

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<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml
Immunogen: HPB-ALL cell line.

External Database Links

UniProt: P08962

Entrez Gene: 967 CD63

Synonyms: MLA1, TSPAN30

RRID: AB_2076627

Specificity: Mouse anti Human CD63 antibody, clone MEM-259 recognizes the CD63 cell surface antigen, also known as granulophysin, lysozomal associated membrane protein 3 (LAMP-3), Melanoma-associated antigen ME491, Ocular melanoma-associated antigen or tetraspanin-30. CD63 is a 238 amino acid, tetraspanin glycoprotein of ~40-60 kDa.

CD63 is expressed by monocytes, macrophages, endothelial cells where it is a component of Weibel-Palade bodies (Vischer et al. 1993) and by a variety of cell lines. It is located intracellularly in lysosomal granules of platelets, being translocated to the surface upon activation. It may therefore be useful as a marker of platelet activation (Hamamoto et al. 1994). CD63 expression is also associated with melanoma development (Radford et al. 1997) and expression is rapidly down-regulated by progesterone in endometrial tissues (Okada et al. 1999).

Flow Cytometry: Use 10ul of the suggested working dilution to label 10^6 cells in 100ul or 100ul whole blood.

References


**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2142T

10040

**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Secondary Antibodies**

Rabbit Anti Mouse IgG (STAR12...)  RPE

Goat Anti Mouse IgG IgA IgM (STAR87...)  Alk. Phos., HRP

Goat Anti Mouse IgG (STAR76...)  RPE

Rabbit Anti Mouse IgG (STAR13...)  HRP

Goat Anti Mouse IgG (STAR70...)  FITC

Goat Anti Mouse IgG (H/L) (STAR117...)  Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP

Goat Anti Mouse IgG (Fc) (STAR120...)  FITC, HRP

Goat Anti Mouse IgG (STAR77...)  HRP

Rabbit Anti Mouse IgG (STAR9...)  FITC

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL (MCA928)