Datasheet: MCA2142

Description: MOUSE ANTI HUMAN CD63
Specificity: CD63
Format: Purified
Product Type: Monoclonal Antibody
Clone: MEM-259
Isotype: IgG1
Quantity: 0.2 mg

Product Details

Applications

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<th>Yes</th>
<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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<td>Immunohistology - Paraffin</td>
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<td>Immunoprecipitation</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product 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 from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% sodium azide (NaN₃)

Approx. Protein: IgG concentration 1.0 mg/ml
Concentrations

Immunogen
HPB-ALL cell line.

External Database Links
UniProt:
P08962 Related reagents
Entrez Gene:
967 CD63 Related reagents

Synonyms
MLA1, TSPAN30

RRID
AB_324562

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 10μl of the suggested working dilution to label 10^6 cells in 100μl or 100μl whole blood

References


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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**


**Regulatory**

For research purposes only

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**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)