Datasheet: MCA2142F

Description: MOUSE ANTI HUMAN CD63:FITC
Specificity: CD63
Format: FITC
Product Type: Monoclonal Antibody
Clone: MEM-259
Isotype: IgG1
Quantity: 0.1 mg

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.

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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Flow Cytometry

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 conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em
<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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Preparation
Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution
Phosphate buffered saline

Preservative Stabilisers
0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations
IgG concentration 0.1 mg/ml

Immunogen
HPB-ALL cell line.

External Database Links
UniProt: P08962 Related reagents
Entrez Gene: 967 CD63 Related reagents
**Synonyms**
MLA1, TSPAN30

**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. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life
18 months from date of despatch.

Health And Safety

Regulatory
For research purposes only

Related Products

**Recommended Negative Controls**

- **MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)**

**Recommended Useful Reagents**

- **HUMAN SEROBLOCK (BUF070A)**
- **HUMAN SEROBLOCK (BUF070B)**