**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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>1/25 - 1/100</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Immunofluorescence</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 Stablisers**

0.09% sodium azide (NaN₃)
**Approx. Protein Concentrations**
IgG concentration 1.0 mg/ml

**Immunogen**
HPB-ALL cell line.

**External Database Links**

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**Uniprot:**
P08962  Related reagents

**Entrez Gene:**
967  CD63  Related reagents

**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 by 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

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**References**


**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**

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

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

Rabbit Anti Mouse IgG (STAR12...)
Goat Anti Mouse IgG IgA IgM (STAR87...)
Goat Anti Mouse IgG (STAR76...)
Rabbit Anti Mouse IgG (STAR13...)
Goat Anti Mouse IgG (STAR70...)
Goat Anti Mouse IgG (H/L) (STAR117...)
Goat Anti Mouse IgG (Fc) (STAR120...)
Goat Anti Mouse IgG (STAR77...)
Rabbit Anti Mouse IgG (STAR9...)

RPE
Alk. Phos., HRP
RPE
HRP
FITC
Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
FITC, HRP
HP
FITC

**Recommended Negative Controls**