

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Stains human CD63 transfectants but not irrelevant transfectants.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 460305
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human CD63 Met1-Met238 Accession # P08962
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells fixed with paraformaldehyde and permeabilized with saponin

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

CD63, also known as LAMP-3 or ME491 (melanoma-associated antigen), is a 30-60 kDa member of the tetraspanin superfamily of protein trafficking proteins. CD63 is ubiquitously expressed and found in late endocytic vesicles, but following cell activation is also present on the plasma membrane. Interaction of CD63 with other membrane proteins or adaptors regulates cell activities such as adhesion, migration and degranulation. Extracellular regions of human CD63 share 67% and 65% amino acid sequence identity with mouse and rat CD63, respectively.

## PRODUCT SPECIFIC NOTICES

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