

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD63 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2585J
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Chinese Hamster Ovary cell line CHO-derived human CD63 Ala103-Val203 Accession # P08962-1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human PBMCs fixed and permeabilized with FlowX FoxP3/Transcription Factor Fixation & Perm Buffer Kit (Catalog # FC012)

PREPARATION AND STORAGE

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

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.

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