

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD63 Rabbit Recombinant Antibody

Catalog Number: CL647-98318



## Basic Information

**Catalog Number:**

CL647-98318

**Size:**

100 tests, 5 µl/test

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG2064

**GenBank Accession Number:**

BC002349

**GeneID (NCBI):**

967

**UNIPROT ID:**

P08962

**Full Name:**

CD63 molecule

**Calculated MW:**

26 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241964E1

**Recommended Dilutions:**

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maximum wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

**Positive Controls:**

FC : Thrombin treated human peripheral blood platelets,

## Background Information

CD63 is a 30-60 kDa lysosomal membrane protein that belongs to the tetraspanin family. This protein plays many important roles in immuno-physiological functions. It mediates signal transduction events that regulate cell development, activation, growth, and motility. CD63 is expressed on activated platelets, thus it may function as a blood platelet activation marker. CD63 is a lysosomal membrane glycoprotein translocated to the plasma membrane after platelet activation. The CD63 tetraspanin is highly expressed in the early stages of melanoma and decreases in advanced lesions, suggesting it is a possible suppressor of tumor progression. Deficiency of this protein is associated with Hermansky-Pudlak syndrome.

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

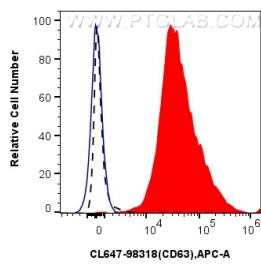
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10<sup>6</sup> thrombin-treated human peripheral blood platelets were surface stained with 5 ul Coralite® Plus 647 Anti-Human CD63 Rabbit RecAb (CL647-98318, Clone: 241964E1) (red) or Coralite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human peripheral blood platelets were surface stained with 5 ul Coralite® Plus 647 Anti-Human CD63 Rabbit RecAb (CL647-98318, Clone: 241964E1) (black,

