

Datasheet for ABIN94216  
**anti-CD63 antibody (PE)**

5 Images

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## Overview

Quantity:	100 tests
Target:	CD63
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD63 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	HPB-ALL T cell line
Clone:	MEM-259
Isotype:	IgG1
Specificity:	The antibody MEM-259 reacts with an extracellular/luminal epitope of CD63 (LAMP-3), a 40-60 kDa tetraspan glycoprotein expressed by granulocytes, platelets, T cells, monocytes/macrophages and endothelial cells. Cell surface exposition of CD63 is usually activation-dependent.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	CD63
Alternative Name:	CD63 ( <a href="#">CD63 Products</a> )
Background:	CD63 Molecule,CD63 (LAMP-3, lysosome-associated membrane protein-3), a glycoprotein of tetraspanin family, is present in late endosomes, lysosomes and secretory vesicles of various cell types. It is also present in the plasma membrane, usually following cell activation. Hence, it has become an widely used basophil activation marker. In mast cells, however, CD63 exposition does not need their activation. CD63 interacts with integrins and affects phagocytosis and cell migration, it is also involved in H/K-ATPase trafficking regulation of ROMK1 channels. CD63 also serves as a T-cell costimulation molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas.,OMA81H, Granulophysin, Tetraspanin-30, Tspan-30, MLA1, ME491, LAMP-3, OMA81H, TSPAN30
Gene ID:	967
UniProt:	<a href="#">P08962</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

## Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b> Avoid prolonged exposure to light.

## Handling

Storage: 4 °C

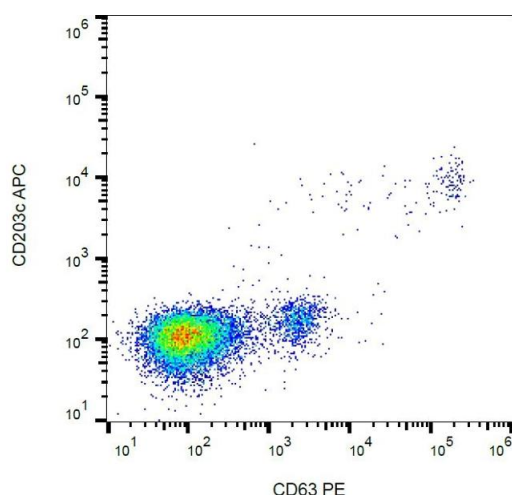
Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

## Publications

Product cited in: Heneberg, Riegerová, Kučera: "Pimecrolimus Is a Potent Inhibitor of Allergic Reactions to Hymenopteran Venom Extracts and Birch Pollen Allergen In Vitro." in: **PLoS ONE**, Vol. 10, Issue 11, pp. e0142953, (2015) ([PubMed](#)).

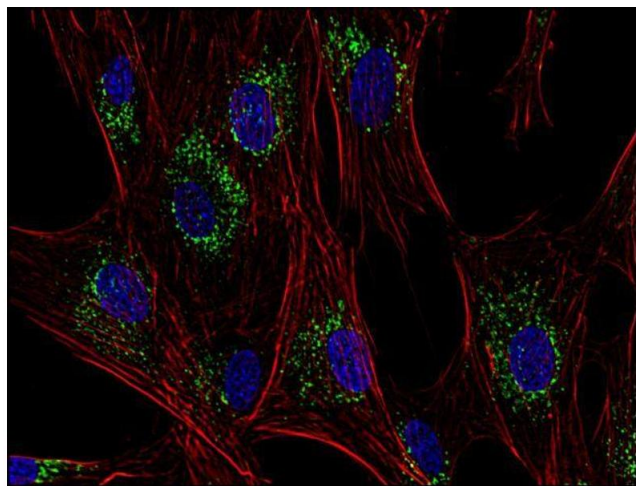
Cerny, Feng, Yu, Miyake, Borgonovo, Klumperman, Meldolesi, McNeil, Kirchhausen: "The small chemical vacuolin-1 inhibits Ca(2+)-dependent lysosomal exocytosis but not cell resealing." in: **EMBO reports**, Vol. 5, Issue 9, pp. 883-8, (2004) ([PubMed](#)).

## Images



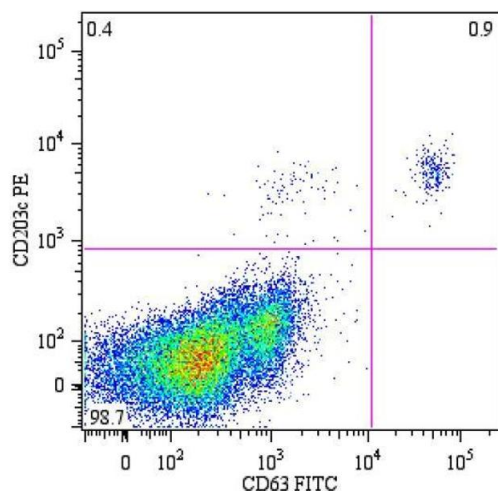
### Flow Cytometry

**Image 1.** Flow cytometry analysis (surface staining) of IgE-activated peripheral blood stained with anti-human CD63 (MEM-259) PE.



### Immunofluorescence

**Image 2.** Immunofluorescence staining of human skin fibroblasts with anti-CD63 (MEM-259 ; green) after co-incubation of living cells with human Transferrin - Dyomics 547 (red); cell nuclei stained with DAPI (blue). Fig. 2. Immunofluorescence staining of CD63 in human primary fibroblasts using anti-CD63 (; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue). Fig. 3. Immunofluorescence staining of CD63 in human HeLa cell line using anti-CD63 (Fig. 4. Flow



cytometry analysis of peripheral blood lymphocytes from a patient with allergy to bee venom after stimulation with bee venom, stained with anti-human CD63 ( ) FITC.

### Flow Cytometry

**Image 3.** Flow cytometry analysis of peripheral blood lymphocytes from a patient with allergy to bee venom after stimulation with bee venom, stained with anti-human CD63 FITC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN94216.