

CD63 Monoclonal Antibody (H5C6), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	H5C6
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572565

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	9 Publications

Product Specific Information

Description: This H5C6 monoclonal antibody reacts with human CD63, a type III member of the tetraspanin family of transmembrane proteins. CD63 is expressed intracellularly on lysosomes, endosomes, and granules of resting platelets and basophils. However, cell surface expression of CD63 can be detected on activated basophils and platelets, monocytes, macrophages, and granulocytes. This receptor is also expressed on endothelial cells, fibroblasts, and smooth muscle cells. Studies have demonstrated that CD63 associates with integrins (VLA-3 and VLA-6) and TIMP-1 to mediate the allergic response.

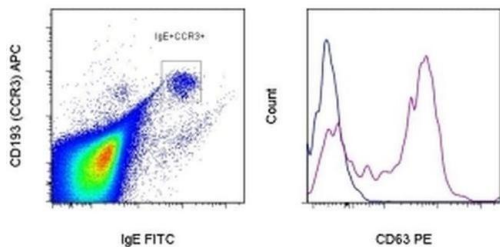
Applications Reported: This H5C6 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This H5C6 antibody has been pre-titrated and tested by flow cytometric of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD63 Monoclonal Antibody (H5C6), PE, eBioscience™



CD63 Antibody (12-0639-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD193 (CCR3) APC (Product # 17-1939-42), Anti-Human IgE FITC (Product # 11-6986-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (blue histogram) or Anti-Human CD63 PE (purple histogram). CD193+IgE+ cells (left) were used for analysis.

[View more figures on thermofisher.com](#)

10 References

Western Blot (1)

Small (Weinheim an der Bergstrasse, Germany)

Unsupervised Machine Learning-Based Clustering of Nanosized Fluorescent Extracellular Vesicles.

"12-0639-42 was used in Western Blot to assess both the purity and the inflammatory status of EV, and compare cell culture and plasma-derived EV isolated via different purification methods."

Authors: Kuypers S, Smisdom N, Pintelon I, Timmermans JP, Ameloot M, Michiels L, Hendrix J, Hosseinkhani B

Species
Human

Dilution
Not Cited

Year
2021

Flow Cytometry (9)

Frontiers in oncology

Enrichment of CD44 in Exosomes From Breast Cancer Cells Treated With Doxorubicin Promotes Chemoresistance.

"12-0639 was used in Flow cytometry/Cell sorting to conclude that breast cancer cells could promote chemoresistance via exosomal transfer of proteins, such as CD44."

Authors: Wang X, Cheng K, Zhang G, Jia Z, Yu Y, Guo J, Hua Y, Guo F, Li X, Zou W, Sun H, Dong J, Yang Z

Species
Human

Dilution
Not Cited

Year
2020

Journal of ovarian research

Proteomic and lipidomic analysis of exosomes derived from ovarian cancer cells and ovarian surface epithelial cells.

"Published figure using CD63 monoclonal antibody (Product # 12-0639-42) in Flow Cytometry"

Authors: Cheng L, Zhang K, Qing Y, Li D, Cui M, Jin P, Xu T

Species
Not Applicable

Dilution
Not Cited

Year
2020

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More applications with references on thermofisher.com

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