

CD4 Monoclonal Antibody (S3.5), PE

Product Details	
Size	0.5 mL
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	S3.5
Conjugate	PE
Immunogen	Human CD4
Form	Liquid
Purification	purified
Storage buffer	PBS with BSA, sucrose
Contains	0.1% sodium azide
Storage Conditions	4° C, store in dark
RRID	AB_10376142

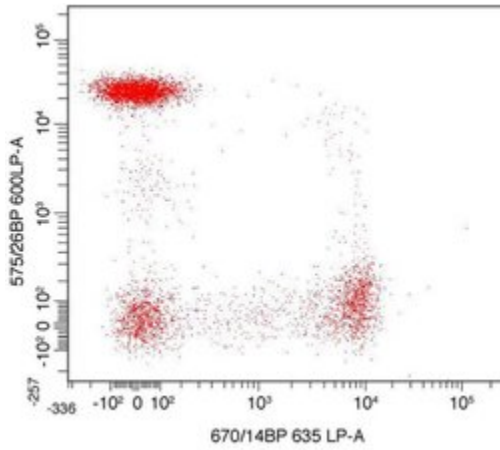
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	10 Publications
Immunocytochemistry (ICC)	-	1 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

R-phycoerythrin (PE) is a stable and highly soluble phycobiliprotein which provides maximal absorbance and fluorescence without susceptibility to internal or external fluorescence quenching, thus providing an exceptional quantum yields and molar extinction coefficients.

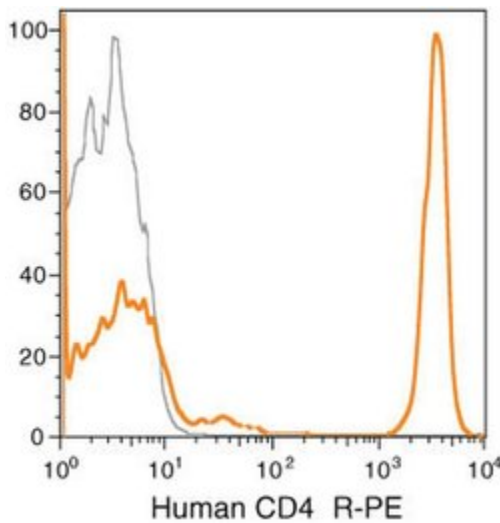
This antibody may be used, in combination with other indicators, for the diagnosis or prognosis of immunodeficiency diseases, including hypogammaglobulinemia, severe combined immunodeficiency (SCID), and the acquired immunodeficiency disease (AIDS).

Product Images For CD4 Monoclonal Antibody (S3.5), PE



CD4 Antibody (MHCD0404) in Flow

Flow cytometry histogram showing human mononuclear cells stained with anti-CD4 complexed with Alexa Fluor® 700 Zenon® labeling reagent. An antibody complex was made by using the Zenon® Alexa Fluor® 700 Mouse IgG1 Labeling Kit (Product # Z-25011) and mouse anti human CD4. Human mononuclear cells were stained with the antibody complex and analyzed by flow cytometry using a 633 nm laser.



CD4 Antibody (MHCD0404) in Flow

Human peripheral blood lymphocytes were stained using R-PE of anti-human CD4 monoclonal antibody (clone S3.5). The negative control profiles represent unstained cells.

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Flow Cytometry (10)

Journal of oncology

Secretory High-Mobility Group Box 1 Protein Affects Regulatory T Cell Differentiation in Neuroblastoma Microenvironment *In Vitro*.

"MHCD0404 was used in Flow cytometry/Cell sorting to elucidate the role of the neuroblastoma microenvironment in promoting regulatory T cell phenotype."

Authors: Vanichapol T,Chiangjong W,Panachan J,Anurathapan U,Chutipongtanate S,Hongeng S

Species
Human

Dilution
Not Cited

Year
2020

Nature immunology

Quality of TCR signaling determined by differential affinities of enhancers for the composite BATF-IRF4 transcription factor complex.

"MHCD0404 was used in Flow cytometry/Cell sorting to study the mechanism by which the abundance of IRF4 induces distinct types of responses."

Authors: Iwata A,Durai V,Tussiwand R,Briseño CG,Wu X,Grajales-Reyes GE,Egawa T,Murphy TL,Murphy KM

Species
Human

Dilution
Not Cited

Year
2017

[View more Flow references on thermofisher.com](#)

Immunocytochemistry (1)

PloS one

Nef neutralizes the ability of exosomes from CD4+ T cells to act as decoys during HIV-1 infection.

"MHCD0404 was used in flow cytometry and immunocytochemistry to test if Nef modifies the composition of exosomes released by T lymphocytes"

Authors: de Carvalho JV,de Castro RO,da Silva EZ,Silveira PP,da Silva-Januário ME,Arruda E,Jamur MC,Oliver C, Aguiar RS,daSilva LL

Species
Human

Dilution
Not Cited

Year
2015

Miscellaneous PubMed (3)

Cell

Heme-mediated SPI-C induction promotes monocyte differentiation into iron-recycling macrophages.

"MHCD0404 was used in flow cytometry to investigate how heme regulates Spic in macrophages."

Authors: Haldar M,Kohyama M,So AY,Kc W,Wu X,Briseño CG,Satpathy AT,Kretzer NM,Arase H,Rajasekaran NS, Wang L,Egawa T,Igarashi K,Baltimore D,Murphy TL,Murphy KM

Species
Human

Dilution
Not Cited

Year
2014

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More applications with references on thermofisher.com

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