

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

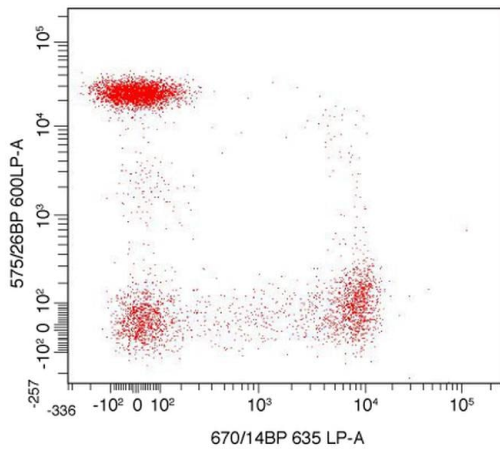
Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	Assay-Dependent	8 Publications
Immunocytochemistry (ICC)	-		1 Publication
Miscellaneous PubMed (MISC)	-		3 Publications

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.

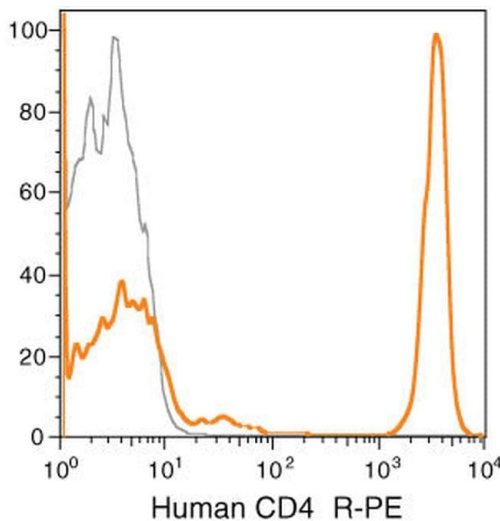
This antibody may be used, in combination with other indicators, for the diagnosis or prognosis of immunodeficiency diseases, including hypogammaglobulinemia, severe combined immunodeficiency (SCID), and the acquired immunodeficiency disease (AIDS).

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.

[View more figures on thermofisher.com](https://www.thermofisher.com)

12 References

Flow Cytometry (8)

Retrovirology

Janus kinase inhibition suppresses PKC-induced cytokine release without affecting HIV-1 latency reversal *ex vivo*.

"MHCD0404 was used in flow cytometry to search for compounds that suppress pro-inflammatory cytokine production in the context of protein kinase C activation"

Authors: Spivak AM,Larragoite ET,Coletti ML,Macedo AB,Martins LJ,Bosque A,Planelles V

Species
Human

Dilution
Not Cited

Year
2016

mBio

Vpu-Mediated Counteraction of Tetherin Is a Major Determinant of HIV-1 Interferon Resistance.

"MHCD0404 was used in flow cytometry elucidate the impact of Vpu-mediated tetherin antagonism on HIV infection"

Authors: Kmiec D,Iyer SS,Stürzel CM,Sauter D,Hahn BH,Kirchhoff F

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2016

[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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