CD4 Monoclonal Antibody (OKT4 (OKT-4)), FITC, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Hamster, Human, Mouse
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OKT4 (OKT-4)
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1633391

Applications	**Tested Dilution**	**Publications**
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	64 Publications

Product Specific Information

Description: The OKT4 monoclonal antibody reacts with human CD4, a 59 kDa cell surface glycoprotein expressed by the majority of thymocytes, a subpopulation of mature T cells (T-helper cells) and in low levels on monocytes. CD4 is a receptor for the human immunodeficiency virus (HIV). The OKT4 antibody recognizes a different epitope than the RPA-T4 monoclonal antibody, and these antibodies do not cross-block binding to each other's respective epitopes.

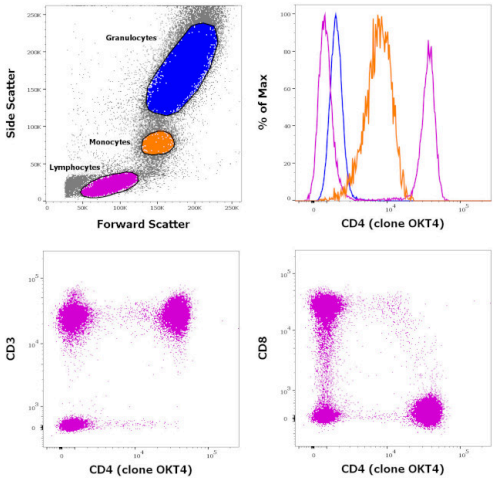
Applications Reported:This OKT4 (OKT-4) antibody has been reported for use in flow cytometric analysis.

Applications Tested: Has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 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 10^5 to 10^8 cells/test.

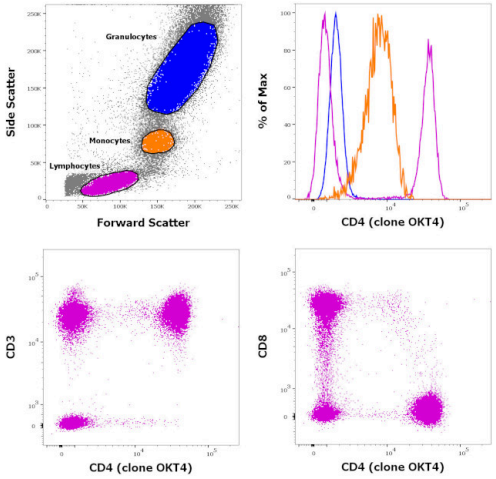
Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

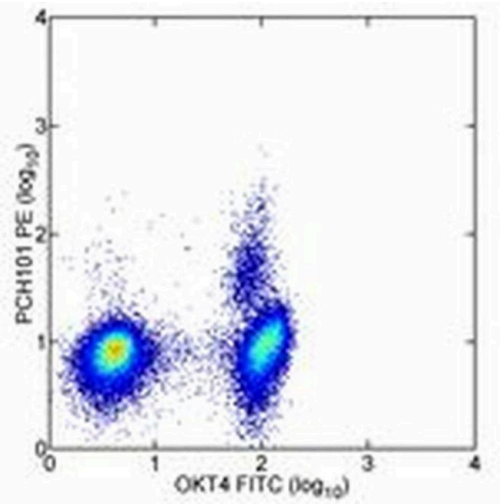
Product Images For CD4 Monoclonal Antibody (OKT4 (OKT-4)), FITC, eBioscience™



CD4 Antibody (11-0048-41)
Staining of human peripheral blood mononuclear cells with CD45 Pacific Blue, CD3 APC, CD8 PerCP and CD4 FITC. As expected based on known relative expression patterns, CD4 clone OKT4 (OKT-4) stains a subset of lymphocytes (pink) and monocytes (orange), but not granulocytes (blue). {RE}



CD4 Antibody (11-0048-41) in Flow
Staining of human peripheral blood mononuclear cells with CD45 Pacific Blue, CD3 APC, CD8 PerCP and CD4 FITC. As expected based on known relative expression patterns, CD4 clone OKT4 (OKT-4) stains a subset of lymphocytes (pink) and monocytes (orange), but not granulocytes (blue).



CD4 Antibody (11-0048-41) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD4 FITC followed by intracellular staining with Anti-Human Foxp3 PE (Product # 12-4776-42) using the Foxp3 Staining Buffers (Product # 00-5523-00). Cells in the lymphocyte gate were used for analysis.

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67 References

Western Blot (1)

Blood

CD4-CCR5 interaction in intracellular compartments contributes to receptor expression at the cell surface.

"Published figure using CD4 monoclonal antibody (Product # 11-0048-42) in Western Blot"

Authors: Achour L,Scott MG,Shirvani H,Thuret A,Bismuth G,Labbé-Jullié C,Marullo S

Year
2009

Species
Human
Hamster

Immunohistochemistry (1)

PloS one

An increased abundance of tumor-infiltrating regulatory T cells is correlated with the progression and prognosis of pancreatic ductal adenocarcinoma.

"Published figure using CD4 monoclonal antibody (Product # 11-0048-42) in Immunohistochemistry"

Authors: Tang Y,Xu X,Guo S,Zhang C,Tang Y,Tian Y,Ni B,Lu B,Wang H

Year
2015

Species
Human

Immunocytochemistry (1)

Blood

CD4-CCR5 interaction in intracellular compartments contributes to receptor expression at the cell surface.

"Published figure using CD4 monoclonal antibody (Product # 11-0048-42) in Western Blot"

Authors: Achour L,Scott MG,Shirvani H,Thuret A,Bismuth G,Labbé-Jullié C,Marullo S

Year
2009

Species
Human
Hamster

Flow Cytometry (64)

Viruses

Schlafen14 Impairs HIV-1 Expression in a Codon Usage-Dependent Manner.

"Published figure using CD4 monoclonal antibody (Product # 11-0048-42) in Flow Cytometry"

Authors: Valenzuela C,Saucedo S,Llano M

Year
2024

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn

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