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

Product Details	
Size	25 µg
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	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_657744

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	41 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.

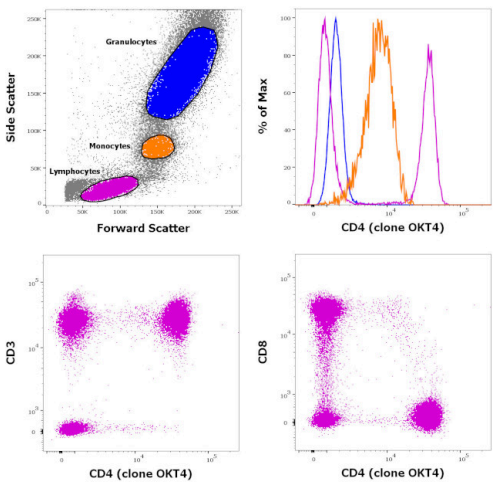
Applications Reported: This OKT4 (OKT-4) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OKT4 (OKT-4) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.5 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

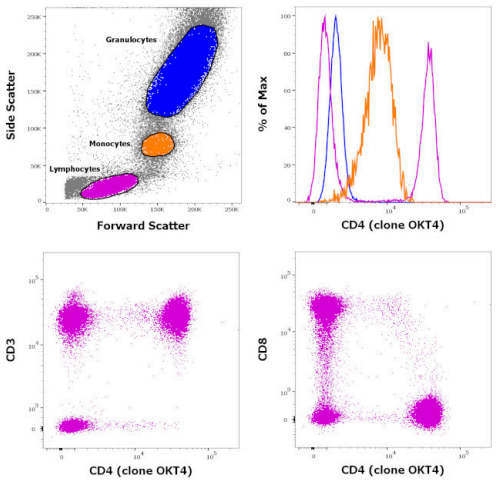
Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD4 Antibody (11-0048-80) 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).



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44 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 # 11-0048-80) 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 # 11-0048-80) 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 # 11-0048-80) 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 (41)

Disease markers

Estrogen Protects against Renal Ischemia-Reperfusion Injury by Regulating Th17/Treg Cell Immune Balance.

"Published figure using CD4 monoclonal antibody (Product # 11-0048-80) in Flow Cytometry"

Authors: Zhang Y,Chang Y,Han Z,Ma K,Zeng X,Li L

Year
2022

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn