

CD8a Monoclonal Antibody (OKT8 (OKT-8)), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OKT8 (OKT-8)
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_10598521

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	28 Publications
Immunoprecipitation (IP)	-	1 Publication

Product Specific Information

Description: The OKT8 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha beta) or as a homodimer (CD8 alpha alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T-cell development and activation of mature T cells. Preliminary testing indicates that OKT8 and two other mouse anti-human CD8 antibodies (clone RPA-T8, Product # 14-0088 and clone HIT8a, Product # 14-0089) do not compete with each other for binding to human peripheral blood leukocytes by flow cytometric analysis, suggesting that they do not bind to similar epitopes or block each other by steric hindrance.

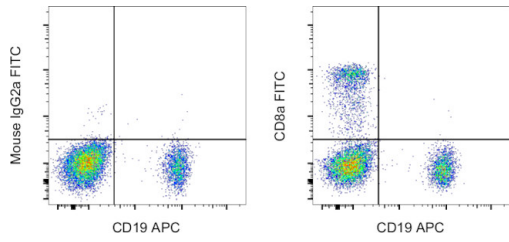
Applications Reported: This OKT8 (OKT-8) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OKT8 (OKT-8) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 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 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD8a Monoclonal Antibody (OKT8 (OKT-8)), FITC, eBioscience™



CD8a Antibody (11-0086-42) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, APC (Product # 17-0199-42) and Mouse IgG2a kappa Isotype Control, FITC (Product # 11-4724-82) (left) or CD8a Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.cn](http://thermofisher.cn)

31 References

Immunocytochemistry (2)

Frontiers in pharmacology

Disruption of PD-1 Enhanced the Anti-tumor Activity of Chimeric Antigen Receptor T Cells Against Hepatocellular Carcinoma.

"Published figure using CD8a monoclonal antibody (Product # 11-0086-42) in Flow Cytometry"

Authors: Guo X, Jiang H, Shi B, Zhou M, Zhang H, Shi Z, Du G, Luo H, Wu X, Wang Y, Sun R, Li Z

Year
2023

Species
Human

The Journal of biological chemistry

Structure and Membrane Binding Properties of the Endosomal Tetratricopeptide Repeat (TPR) Domain-containing Sorting Nexins SNX20 and SNX21.

"Published figure using CD8a monoclonal antibody (Product # 11-0086-42) in Immunoprecipitation"

Authors: Clairfeuille T, Norwood SJ, Qi X, Teasdale RD, Collins BM

Year
2015

Species
Human

Flow Cytometry (28)

Frontiers in pharmacology

Disruption of PD-1 Enhanced the Anti-tumor Activity of Chimeric Antigen Receptor T Cells Against Hepatocellular Carcinoma.

"Published figure using CD8a monoclonal antibody (Product # 11-0086-42) in Flow Cytometry"

Authors: Guo X, Jiang H, Shi B, Zhou M, Zhang H, Shi Z, Du G, Luo H, Wu X, Wang Y, Sun R, Li Z

Year
2023

Species
Human

Frontiers in immunology

Robust spike-specific CD4⁺ and CD8⁺ T cell responses in SARS-CoV-2 vaccinated hematopoietic cell transplantation recipients: a prospective, cohort study.

"Published figure using CD8a monoclonal antibody (Product # 11-0086-42) in Flow Cytometry"

Authors: Federico L, Tvedt THA, Gainullin M, Osen JR, Chaban V, Lund KP, Tietze L, Tran TT, Lund-Johansen F, Kared H, Lind A, Vaage JT, Stratford R, Tennøe S, Malone B, Clancy T, Myhre AEL, Gedde-Dahl T, Munthe LA

Year
2023

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

More applications with references on thermofisher.cn

IP (1)

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