

CD3e Monoclonal Antibody (eBio500A2 (500A2)), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Syrian hamster / IgG
Recommended Isotype Control	Syrian Hamster IgG Isotype Control, FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio500A2 (500A2)
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_837091

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	9 Publications

Product Specific Information

Description: The eBio500A2 monoclonal antibody reacts with the 25 kD epsilon subunit of the mouse CD3 complex. CD3 subunits gamma, delta and epsilon are required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells, as well as NKT cells. Binding of eBio500A2 to CD3 initiates the intracellular biochemical pathway resulting in cellular activation and proliferation. The 500A2 antibody is able to partially cross-block the 17A2 and 145-2C11 antibodies, indicating that all three of these anti-CD3 antibodies recognize distinct but overlapping epitopes.

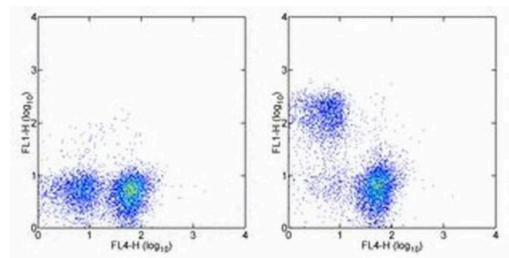
Applications Reported: This eBio500A2 (500A2) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio500A2 (500A2) antibody has been tested by flow cytometric analysis. 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 10⁵ to 10⁸ 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 CD3e Monoclonal Antibody (eBio500A2 (500A2)), FITC, eBioscience™



CD3e Antibody (11-0033-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD19 APC (Product # 17-0191-82) and 0.25 µg of Golden Syrian Hamster IgG Isotype Control FITC (Product # 11-4914-81) (left) or 0.25 µg of Anti-Mouse CD3e FITC (right). Cells in the lymphocyte gate were used for analysis.

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10 References

Immunohistochemistry (1)

Cell reports	Year
ILC3s control airway inflammation by limiting T cell responses to allergens and microbes.	2021
"Published figure using CD3e monoclonal antibody (Product # 11-0033-82) in Immunohistochemistry"	
Authors: Teng F,Tachó-Piñot R,Sung B,Farber DL,Worgall S,Hammad H,Lambrecht BN,Hepworth MR,Sonnenberg GF	

Flow Cytometry (9)

Nature communications	Year
Synergized regulation of NK cell education by NKG2A and specific Ly49 family members.	2019
"Published figure using CD3e monoclonal antibody (Product # 11-0033-82) in Flow Cytometry"	
Authors: Zhang X,Feng J,Chen S,Yang H,Dong Z	

Cell	Year
The cis-Regulatory Atlas of the Mouse Immune System.	2019
"11-0033-82 was used in Flow Cytometry to generate matched epigenome and transcriptome measurements in 86 primary cell types that span the mouse immune system and its differentiation cascade."	
Authors: Yoshida H,Lareau CA,Ramirez RN,Rose SA,Maier B,Wroblewska A,Desland F,Chudnovskiy A,Mortha A,Dominguez C,Tellier J,Kim E,Dwyer D,Shinton S,Nabekura T,Qi Y,Yu B,Robinette M,Kim KW,Wagers A,Rhoads A,Nutt SL,Brown BD,Mostafavi S,Buenrostro JD,Benoist C	
	Species
	Mouse

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