

CD3e Monoclonal Antibody (145-2C11), PE, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	145-2C11
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 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_465496

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Flow Cytometry (Flow)	0.5 µg/test	201 Publications
Functional Assay (FN)	-	1 Publication

Product Specific Information

Description: The 145-2C11 monoclonal antibody reacts with mouse CD3e, a 20 kDa subunit of the TCR complex. Along with the other CD3 subunits, gamma and delta, the epsilon chain is 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. Binding of 145-2C11 to TCR initiates the intracellular biochemical pathway resulting in cellular activation, proliferation, and apoptosis depending on specific conditions utilized. 145-2C11 is commonly used as a phenotypic marker for mouse T cells.

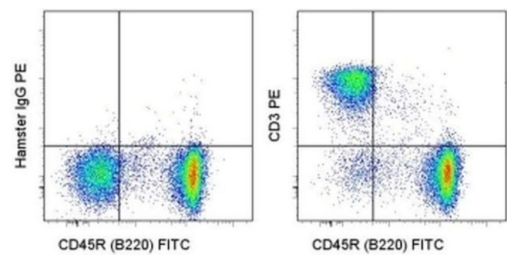
Applications Reported: The 145-2C11 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 145-2C11 antibody has been tested by flow cytometric analysis of mouse thymocytes and splenocytes. 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: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD3e Monoclonal Antibody (145-2C11), PE, eBioscience™



CD3e Antibody (12-0031-82) in Flow
Staining of C57Bl/6 splenocytes with 0.25 µg of Armenian Hamster IgG Isotype Control PE (Product # 12-4888-81) (blue histogram) or 0.25 µg of Anti-Mouse CD3e PE (purple histogram). Total viable cells were used for analysis.

[View more figures on thermofisher.cn](#)

205 References

Immunohistochemistry (Frozen) (3)

Infection and immunity Immunization with apoptotic phagocytes containing Histoplasma capsulatum activates functional CD8(+) T cells to protect against histoplasmosis. "12-0031 was used in Immunofluorescence on frozen tissues to investigate the effect of immunisation with apoptotic phagocytes containing heat-killed Histoplasma, showing that it activates functional CD8(+) T cells to protect against histoplasmosis." Authors: Hsieh SH,Lin JS,Huang JH,Wu SY,Chu CL,Kung JT,Wu-Hsieh BA	Year 2011 Species Mouse
International journal of cancer HSP70 vaccine in combination with gene therapy with plasmid DNA encoding sPD-1 overcomes immune resistance and suppresses the progression of pulmonary metastatic melanoma. Authors: Geng H,Zhang GM,Xiao H,Yuan Y,Li D,Zhang H,Qiu H,He YF,Feng ZH	Year 2006

[View more IHC \(F\) references on thermofisher.cn](#)

Flow Cytometry (201)

Immunity, inflammation and disease NCR negative group 3 innate lymphoid cell (NCR⁻ ILC3) participates in abnormal pathology of lung in cigarette smoking-induced COPD mice. "Published figure using CD3e monoclonal antibody (Product # 12-0031-82) in Flow Cytometry" Authors: Chu S,Ma L,Yang X,Xiao B,Liang Y,Zheng S,Li L	Year 2023
Diabetes Adipocyte-Secreted IL-6 Sensitizes Macrophages to IL-4 Signaling. "Published figure using CD3e monoclonal antibody (Product # 12-0031-82) in Flow Cytometry" Authors: Luan D,Dadpey B,Zaid J,Bridge-Comer PE,DeLuca JH,Xia W,Castle J,Reilly SM	Year 2023

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More applications with references on thermofisher.cn

FN (1)

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