

CD3e Monoclonal Antibody (145-2C11), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	145-2C11
Conjugate	PerCP-Cyanine5.5
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1107000

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	17 Publications
Functional Assay (FN)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	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: This 145-2C11 antibody has been reported for use in flow cytometric analysis.

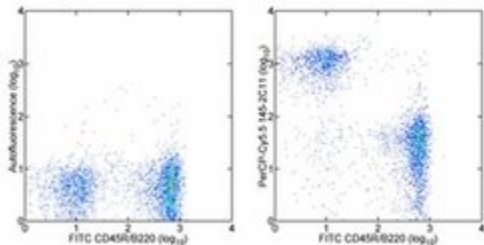
Applications Tested: This 145-2C11 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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: 695 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD3e Monoclonal Antibody (145-2C11), PerCP-Cyanine5.5, eBioscience™



CD3e Antibody (45-0031-82) in Flow

Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and staining buffer (autofluorescence) (left) or 0.5 µg of Anti-Mouse CD3e PerCP-Cyanine5-5 (right). Total viable cells were used for analysis.

Flow Cytometry (17)

Oncoimmunology

The Interleukin (IL)-1R1 pathway is a critical negative regulator of PyMT-mediated mammary tumorigenesis and pulmonary metastasis.

"45-0031 was used in Flow cytometry/Cell sorting to genetically investigate the role of the interleukin-1 receptor 1 pathway in breast cancer tumorigenesis and metastasis using a mouse model."

Authors: Dagenais M, Dupaul-Chicoine J, Douglas T, Champagne C, Morizot A, Saleh M

Species
Mouse

Dilution
Not Cited

Year
2020

Nature communications

Cyclophilin J limits inflammation through the blockage of ubiquitin chain sensing.

"45-0031 was used in Flow cytometry/Cell sorting to identify cyclophilin J as a negative feedback regulator of the NF-B signalling pathway."

Authors: Sheng C, Yao C, Wang Z, Chen H, Zhao Y, Xu D, Huang H, Huang W, Chen S

Species
Mouse

Dilution
1:100

Year
2018

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

Immunofluorescence (1)

Mucosal immunology

A critical role for cellular inhibitor of protein 2 (cIAP2) in colitis-associated colorectal cancer and intestinal homeostasis mediated by the inflammasome and survival pathways.

"45-0031 was used in Immunofluorescence-paraffin to investigate the function of cellular inhibitors of apoptosis proteins in intestinal cancer and mechanisms in disease pathogenesis."

Authors: Dagenais M, Dupaul-Chicoine J, Champagne C, Skeldon A, Morizot A, Saleh M

Species
Mouse

Dilution
Not Cited

Year
2016

Immunohistochemistry (1)

Mucosal immunology

A critical role for cellular inhibitor of protein 2 (cIAP2) in colitis-associated colorectal cancer and intestinal homeostasis mediated by the inflammasome and survival pathways.

"45-0031 was used in Immunofluorescence-paraffin to investigate the function of cellular inhibitors of apoptosis proteins in intestinal cancer and mechanisms in disease pathogenesis."

Authors: Dagenais M, Dupaul-Chicoine J, Champagne C, Skeldon A, Morizot A, Saleh M

Species
Mouse

Dilution
Not Cited

Year
2016

More applications with references on thermofisher.com

IHC (F) (2)

FN (1)

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