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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	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
Excitation/Emission Max	489/679 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_1107000

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Flow Cytometry (Flow)	1 µg/test	45 Publications
Functional Assay (Functional)	-	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.

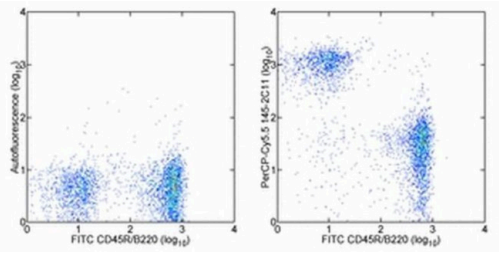
Applications Reported: This 145-2C11 antibody has been reported for use in flow cytometric analysis.

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 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: 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.

50 References

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

Year 2016

Species Mouse

Immunohistochemistry (Paraffin) (1)

Scientific reports

Estrogen-related receptor alpha (ERR) is a key regulator of intestinal homeostasis and protects against colitis.

"45-0031-82 was used in Immunohistochemistry (Paraffin) to report a protective role of estrogen-related receptor alpha in the intestine."

Authors: Tran A,Scholtes C,Songane M,Champagne C,Galarneau L,Levasseur MP,Fodil N,Dufour CR,Giguère V,Saleh M

Year 2021

Species Mouse

Immunohistochemistry (Frozen) (2)

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

Investigative ophthalmology & visual science

CCR5-deficient mice develop experimental autoimmune uveoretinitis in the context of a deviant effector response.

Authors: Takeuchi A,Usui Y,Takeuchi M,Hattori T,Kezuka T,Suzuki J,Okunuki Y,Iwasaki T,Haino M,Matsushima K,Usui M

Year 2005

More applications with references on thermofisher.cn

Flow (45) **Functional (1)**