

CD45 Monoclonal Antibody (30-F11), Alexa Fluor 700, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Alexa Fluor 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	Alexa Fluor® 700
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_891454

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	48 Publications

Product Specific Information

Description: The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

Applications Reported: This 30-F11 antibody has been reported for use in flow cytometric analysis.

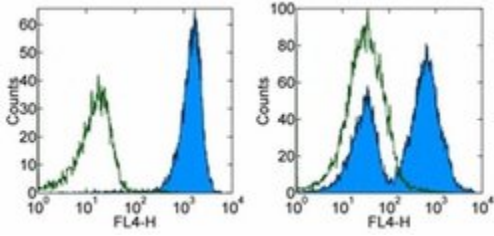
Applications Tested: This 30-F11 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD45 Monoclonal Antibody (30-F11), Alexa Fluor 700, eBioscience™



CD45 Antibody (56-0451-82) in Flow

Staining of C57BL/6 splenocytes (left) and C57BL/6 bone marrow cells (right) with 0.25 µg of Rat IgG2b K Isotype Control Alexa Fluor® 700 (Product # 56-4031-80) (open histogram) or 0.25 µg of Anti-Mouse CD45 Alexa Fluor® 700 (filled histogram). Total viable cells were used for analysis.

Immunohistochemistry (1)

Immunity

E3 Ligase VHL Promotes Group 2 Innate Lymphoid Cell Maturation and Function via Glycolysis Inhibition and Induction of Interleukin-33 Receptor.

"56-0451 was used in Immunohistochemistry to indicate that the VHL-HIF-glycolysis axis is essential for the late-stage maturation and function of ILC2s via targeting IL-33-ST2 pathway."

Authors: Li Q, Li D, Zhang X, Wan Q, Zhang W, Zheng M, Zou L, Elly C, Lee JH, Liu YC

Species
Mouse

Dilution
Not Cited

Year
2018

Flow Cytometry (48)

Molecular psychiatry

Presenilin 1 phosphorylation regulates amyloid- degradation by microglia.

"56-0451 was used in Flow cytometry/Cell sorting to demonstrate a novel mechanism by which PS1 modulates microglial function and contributes to Alzheimer's -associated phenotypes."

Authors: Ledo JH, Liebmann T, Zhang R, Chang JC, Azevedo EP, Wong E, Silva HM, Troyanskaya OG, Bustos V, Greengard P

Species
Mouse

Dilution
Not Cited

Year
2021

Frontiers in cellular and infection microbiology

CNS Immune Profiling in a Dengue Virus-Infected Immunocompetent Outbred ICR Mice Strain.

"56-0451 was used in Flow cytometry/Cell sorting to indicate a CNS immune profile of DENV infection and hypothetical CNS immunity in response to DENV infection."

Authors: Shen TJ, Chen CL, Jhan MK, Tseng PC, Lin CF

Species
Mouse

Dilution
Not Cited

Year
2021

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

More applications with references on thermofisher.com

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