

CD45 Monoclonal Antibody (30-F11), Alexa Fluor 488, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Alexa Fluor 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	Alexa Fluor® 488
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_2848416

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	15 Publications
Flow Cytometry (Flow)	0.25 µg/test	132 Publications

Product Specific Information

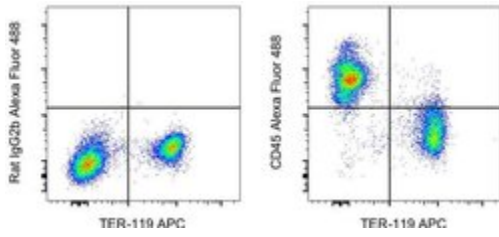
Description: The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays 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 bone marrow cells. This may be used at less than or equal to 0.25 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:** 519 nm; **Laser:** Blue Laser

Product Images For CD45 Monoclonal Antibody (30-F11), Alexa Fluor 488, eBioscience™



CD45 Antibody (53-0451-82) in Flow

C57BL/6 mouse bone marrow cells were stained with TER-119 Monoclonal Antibody, APC (Product # 17-5921-82) and 0.125 μ g of Rat IgG2b kappa Isotype Control, Alexa Fluor 488 (Product # 53-4031-80) (left) or 0.125 μ g of CD45 Monoclonal Antibody, Alexa Fluor 488 (right). Total cells were used for analysis.

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Immunohistochemistry (15)

Biomedicines

Absence of Cold-Inducible RNA-Binding Protein (CIRP) Promotes Angiogenesis and Regeneration of Ischemic Tissue by Inducing M2-Like Macrophage Polarization.

"Published figure using CD45 monoclonal antibody (Product # 53-0451-82) in Immunohistochemistry"

Authors: Kübler M, Beck S, Fischer S, Götz P, Kumaraswami K, Ishikawa-Ankerhold H, Lasch M, Deindl E

Species
Not Applicable

Dilution
Not Cited

Year
2021

PLoS neglected tropical diseases

Study of Usutu virus neuropathogenicity in mice and human cellular models.

"Published figure using CD45 monoclonal antibody (Product # 53-0451-82) in Immunohistochemistry"

Authors: Clé M, Barthelemy J, Desmetz C, Foulongne V, Lapeyre L, Bolloré K, Tuailon E, Erkiic N, Kalatzis V, Lecollinet S, Beck C, Pirot N, Glasson Y, Gosselet F, Alvarez Martinez MT, Van de Perre P, Salinas S, Simonin Y

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

Flow Cytometry (132)

International journal of biological sciences

PPAR inhibition boosts efficacy of PD-L1 Checkpoint Blockade Immunotherapy against Murine Melanoma in a sexually dimorphic manner.

"Published figure using CD45 monoclonal antibody (Product # 53-0451-82) in Flow Cytometry"

Authors: Wu B, Sun X, Yuan B, Ge F, Gupta HB, Chiang HC, Li J, Hu Y, Curiel TJ, Li R

Species
Not Applicable

Dilution
Not Cited

Year
2021

Frontiers in immunology

A Synthetic Small Molecule F240B Decreases NLRP3 Inflammasome Activation by Autophagy Induction.

"Published figure using CD45 monoclonal antibody (Product # 53-0451-82) in Flow Cytometry"

Authors: Wu CH, Gan CH, Li LH, Chang JC, Chen ST, Menon MP, Cheng SM, Yang SP, Ho CL, Chernikov OV, Lin CH, Lam Y, Hua KF

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

More applications with references on thermofisher.com

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