

CD45 Monoclonal Antibody (30-F11), eFluor 506, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), eFluor 506, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	eFluor® 506
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_2637147

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	27 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	0.5 µg/test	113 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.

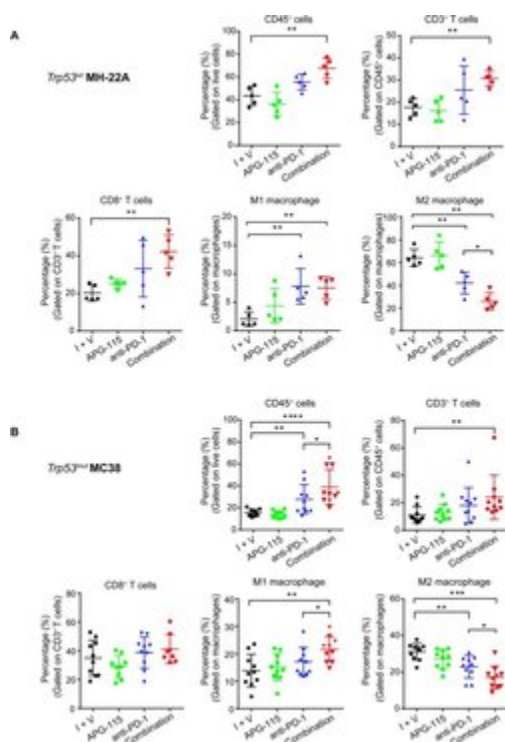
Applications Tested: This 30-F11 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be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

eFluor® 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 506 nm; Laser: Violet Laser.

Filtration: 0.2 μm post-manufacturing filtered.

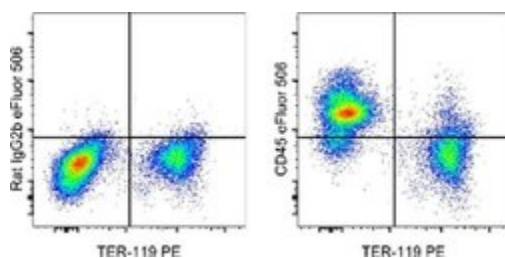
Advanced Verification Data



CD45 Antibody (69-0451-82)

Fig. 6 Flow cytometry analysis of TILs in the TME of syngeneic tumors with wild-type (a) or mutant (b) Trp53 . Mice with established MH-22A or MC38 tumors were treated with 10 mg/kg APG-115 (a and b), 10 mg/kg (a) or 5 mg/kg (b) anti-PD-1 antibody, or the combination as described in the legend of Fig. 4 . The control group was treated with isotype control antibody and APG-115 vehicle (I + V). On day 14, syngeneic tumors were harvested, dissociated into single-cell suspensions, and stained for flow cytometry analysis. Percentages of CD45 + , CD3 + T cells, CD8 + T cells, M1 and M2 macrophages in the tumors under the different treatments were assessed. Data were representative of two (a) or three (b) independent experiments and shown as dot plots (n = 5 or 10). **** P < 0.0001, *** P < 0.001, ** P < 0.01, and * P < 0.05, by one-way ANOVA with Bonferroni post-test. I + V indicates isotype control and vehicle of APG-115 Cell treatment validation info.

Product Images For CD45 Monoclonal Antibody (30-F11), eFluor 506, eBioscience™



CD45 Antibody (69-0451-82) in Flow

Staining of C57Bl/6 bone marrow cells with Anti-Mouse TER-119 PE (Product # 12-5921-82) and 0.25 μg of Rat IgG2b K Isotype Control eFluor® 506 (Product # 69-4031-82) (left) or 0.25 μg of Anti-Mouse CD45 eFluor® 506 (right). Total viable cells were used for analysis.

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Immunohistochemistry (27)

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 # 69-0451-82) 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

Journal of ophthalmology

Reduced Expression of VAMP8 in Lacrimal Gland Affected by Chronic Graft-versus-Host Disease.

"Published figure using CD45 monoclonal antibody (Product # 69-0451-82) in Immunofluorescence"

Authors: Fukui M, Ogawa Y, Mukai S, Kamoi M, Asato T, Kawakami Y, Tsubota K

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

Immunocytochemistry (4)

PloS one

A patient derived xenograft model of cervical cancer and cervical dysplasia.

"Published figure using CD45 monoclonal antibody (Product # 69-0451-82) in Immunofluorescence"

Authors: Larmour LI, Cousins FL, Teague JA, Deane JA, Jobling TW, Gargett CE

Species
Not Applicable

Dilution
Not Cited

Year
2019

Cell

The Hippo Pathway Kinases LATS1/2 Suppress Cancer Immunity.

"Published figure using CD45 monoclonal antibody (Product # 69-0451-82) in Immunofluorescence"

Authors: Moroishi T, Hayashi T, Pan WW, Fujita Y, Holt MV, Qin J, Carson DA, Guan KL

Species
Mouse

Dilution
Not Cited

Year
2016

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Flow (113)

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