

CD45 Monoclonal Antibody (30-F11), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	FITC
Form	Liquid
Concentration	0.5 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_465050

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	30 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	5 Publications
Flow Cytometry (Flow)	0.5 µg/test	233 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

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.

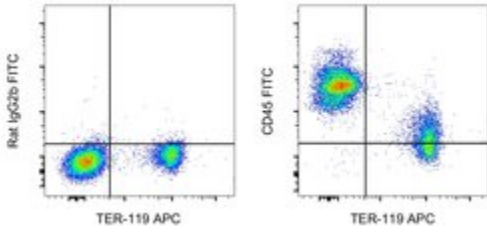
Applications Reported: The 30-F11 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD45 Antibody (11-0451-82) in Flow

C57BL/6 mouse splenocytes were stained with TER-119 Monoclonal Antibody, APC (Product # 17-5921-82) and 0.125 µg of Rat IgG2b kappa Isotype Control, FITC (Product # 11-4031-85) (left) or 0.125 µg of CD45 Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunohistochemistry (30)

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 # 11-0451-82) 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 # 11-0451-82) 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](#)

Immunohistochemistry (Frozen) (1)

Cellular microbiology

G-CSF induction early in uropathogenic Escherichia coli infection of the urinary tract modulates host immunity.

"11-0451 was used in Immunohistochemistry on frozen tissues to investigate the mechanism of recruitment of neutrophils to the bladder during urinary tract infection, showing that G-CSF induction early in infection modulates host immunity."

Authors: Ingersoll MA, Kline KA, Nielsen HV, Hultgren SJ

Species
Mouse

Dilution
Not Cited

Year
2008

Immunocytochemistry (5)

Clinical cancer research : an official journal of the American Association for Cancer Research

FLASH Irradiation Spares Lung Progenitor Cells and Limits the Incidence of Radio-induced Senescence.

"11-0451-81 was used in Immunocytochemistry to suggest that FLASH irradiation minimises DNA damage in normal cells, spares lung progenitor cells from excessive damage and reduces the risk of replicative senescence compared to conventional radiotherapy."

Authors: Fouillade C, Curras-Alonso S, Giuranno L, Quelennec E, Heinrich S, Bonnet-Boissinot S, Beddok A, Leboucher S, Karakurt HU, Bohec M, Baulande S, Vooijs M, Verrelle P, Dutreix M, Londoño-Vallejo A, Favaudon V

Species
Mouse

Dilution
1:200

Year
2020

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Flow (233)

Misc (1)

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