

# CD45 Monoclonal Antibody (30-F11), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	Biotin
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_466446

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	27 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	0.125 µg/test	146 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

## Product Specific Information

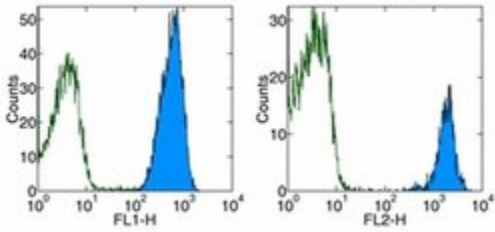
**Description:** The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and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

**Applications Reported:** 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 and splenocytes. This can be used at less than or equal to 0.125 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<sup>5</sup> to 10<sup>8</sup> cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filtration:** 0.2 µm post-manufacturing filtered.

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



**CD45 Antibody (13-0451-82) in Flow**

Surface staining of mouse splenocytes with Anti-Mouse CD45 FITC (left), and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

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

## 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 # 13-0451-82) 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 # 13-0451-82) 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 # 13-0451-82) 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 # 13-0451-82) 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

[View more ICC/IF references on thermofisher.com](#)

## More applications with references on thermofisher.com

**Flow (146)**

**Misc (3)**

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