

CD45 Monoclonal Antibody (30-F11), Functional Grade, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Fish, Human, Mouse
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_657751

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	73 Publications
Functional Assay (FN)	Assay-Dependent	-
Immunohistochemistry (IHC)	Assay-Dependent	8 Publications
Immunoprecipitation (IP)	Assay-Dependent	-
Immunofluorescence (IF)	-	19 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	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, immunoprecipitation, and immunohistochemical staining. 30-F11 has also been reported in complement-dependent cytotoxicity. (Please use Functional Grade purified 30-F11 in functional assays).

Applications Tested: This 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 0.5 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.

Storage and handling: Use in a sterile environment.

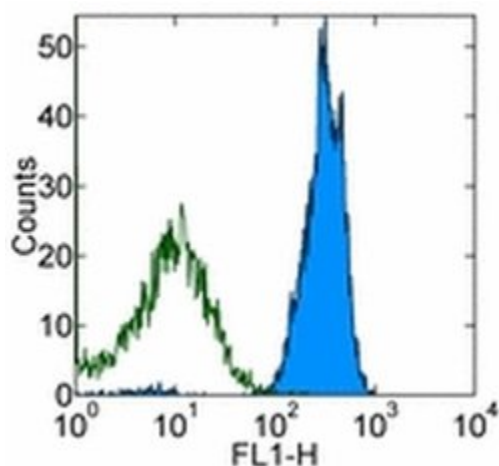
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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



CD45 Antibody (16-0451-85) in Flow

Staining of C57Bl/6 splenocytes with 0.25 µg of Purified Rat IgG2b kappa Isotype Control (Product # 14-4031-82) (open histogram) or 0.25 µg of Anti-Mouse CD45 Purified (filled histogram) followed by Anti-Rat IgG FITC (Product # 11-4811-85). Cells in the lymphocyte gate were used for analysis.

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

Immunofluorescence (19)

Journal of ophthalmology

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

"Published figure using CD45 monoclonal antibody (Product # 16-0451-85) in Immunofluorescence"

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

Species
Not Applicable

Dilution
Not Cited

Year
2019

PloS one

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

"Published figure using CD45 monoclonal antibody (Product # 16-0451-85) in Immunofluorescence"

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

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Flow Cytometry (73)

Frontiers in immunology

ATF3 Sustains IL-22-Induced STAT3 Phosphorylation to Maintain Mucosal Immunity Through Inhibiting Phosphatases.

"Published figure using CD45 monoclonal antibody (Product # 16-0451-85) in Flow Cytometry"

Authors: Glal D,Sudhakar JN,Lu HH,Liu MC,Chiang HY,Liu YC,Cheng CF,Shui JW

Species
Not Applicable

Dilution
Not Cited

Year
2019

Frontiers in immunology

Diet-Induced Obesity Elicits Macrophage Infiltration and Reduction in Spine Density in the Hypothalami of Male but Not Female Mice.

"Published figure using CD45 monoclonal antibody (Product # 16-0451-85) in Flow Cytometry"

Authors: Lainez NM,Jonak CR,Nair MG,Ethell IM,Wilson EH,Carson MJ,Coss D

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

More applications with references on thermofisher.com

IHC (P) (1) IHC (8)

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