

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
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466446

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	38 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	9 Publications
Flow Cytometry (Flow)	0.125 µg/test	230 Publications
Miscellaneous PubMed (Misc)	-	4 Publications

Product Specific Information

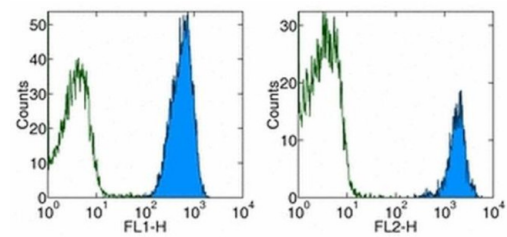
Description: The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays 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 10⁵ to 10⁸ 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](#)

286 References

Western Blot (1)

Biomedicines	Year 2021
Early Adolescence Prefrontal Cortex Alterations in Female Rats Lacking Dopamine Transporter.	
"Published figure using CD45 monoclonal antibody (Product # 13-0451-82) in Western Blot"	
Authors: Illiano P,Leo D,Gainetdinov RR,Pardo M	

Immunohistochemistry (38)

Cancer research communications	Year 2023
Toll-like Receptor Signaling-deficient Cells Enhance Antitumor Activity of Cell-based Immunotherapy by Increasing Tumor Homing.	
"Published figure using CD45 monoclonal antibody (Product # 13-0451-82) in Immunohistochemistry"	
Authors: Morales-Molina A,Rodriguez-Milla M��,Gambera S,Cejalvo T,de Andr��s B,Gaspar ML,Garc��a-Castro J	

Cellular and molecular gastroenterology and hepatology	Year 2022
A Point Mutation R122C in RUNX3 Promotes the Expansion of Isthmus Stem Cells and Inhibits Their Differentiation in the Stomach.	
"Published figure using CD45 monoclonal antibody (Product # 13-0451-82) in Immunohistochemistry"	
Authors: Douchi D,Yamamura A,Matsuo J,Lee JW,Nuttonmanit N,Melissa Lim YH,Suda K,Shimura M,Chen S,Pang S,Kohu K,Kaneko M,Kiyonari H,Kaneda A,Yoshida H,Taniuchi I,Osato M,Yang H,Unno M,Bok-Yan So J,Yeoh KG, Chuang LSH,Bae SC,Ito Y	

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

Immunohistochemistry (PFA fixed) (1)

Nature communications	Year 2021
Genetic fate-mapping reveals surface accumulation but not deep organ invasion of pleural and peritoneal cavity macrophages following injury.	
"Published figure using CD45 monoclonal antibody (Product # 13-0451-82) in Immunohistochemistry (PFA fixed)"	
Authors: Jin H,Liu K,Tang J,Huang X,Wang H,Zhang Q,Zhu H,Li Y,Pu W,Zhao H,He L,Li Y,Zhang S,Zhang Z,Zhao Y, Qin Y,Pflanz S,Kasmi KEI,Zhang W,Liu Z,Ginhoux F, Ji Y,He B,Wang L,Zhou B	

[More applications with references on thermofisher.com](#)

- IHC (F) (3)
- ICC/IF (9)
- Flow (230)
- Misc (4)

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