

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

Product Details

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|-----------------------------|--|
| 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

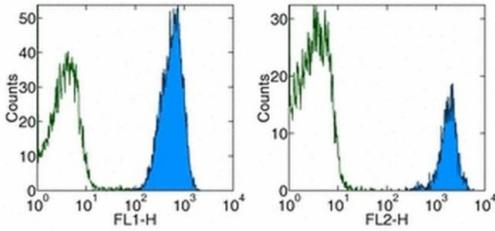
Description: The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays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

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

Year
2021

Immunohistochemistry (38)

Cancer research communications

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 Andrés B, Gaspar ML, García-Castro J

Year
2023

Cellular and molecular gastroenterology and hepatology

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

Year
2022

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

Immunohistochemistry (PFA fixed) (1)

Nature communications

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

Year
2021

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

IHC (F) (3)

ICC/IF (9)

Flow (230)

Misc (4)

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