

CD11b Monoclonal Antibody (M1/70), FITC, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 25 Tests |
| Species Reactivity | Mouse |
| Published Species | Ferret, Fish, Mouse, Human |
| Host/Isotype | Rat / IgG2b, kappa |
| Recommended Isotype Control | Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | M1/70 |
| Conjugate | FITC |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA, 0.1% gelatin |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_11042156 |

| Applications | Tested Dilution | Publications |
|--|---------------------|------------------|
| Western Blot (WB) | - | 2 Publications |
| Immunohistochemistry (IHC) | - | 42 Publications |
| Immunohistochemistry (PFA fixed) (IHC (PFA)) | - | 2 Publications |
| Immunohistochemistry (Frozen) (IHC (F)) | - | 3 Publications |
| Immunocytochemistry (ICC/IF) | - | 19 Publications |
| Flow Cytometry (Flow) | 5 µL (0.25 µg)/test | 363 Publications |
| Immunoprecipitation (IP) | - | 1 Publication |
| Neutralization (Neu) | - | 3 Publications |

Product Specific Information

Description: The M1/70 monoclonal antibody reacts with mouse CD11b, the 165-170 kDa integrin alphaM. CD11b non-covalently associates with CD18 to form alphaMbeta2 integrin (Mac-1) and binds to CD54 (ICAM-1), C3bi, and fibrinogen. Mac-1 is expressed by macrophages, NK cells, granulocytes, activated lymphocytes and mouse B-1 cells in the peritoneal cavity. M1/70 is also cross-reactive to human CD11b, and can be used for the detection of this antigen on human peripheral blood monocytes, granulocytes, and a subset of NK cells. Through interactions with its ligands, CD11b participates in adhesive cell interactions.

Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This product has been pre-titrated and tested by flow cytometric analysis of mouse splenocytes and bone marrow cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

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

Filtration: 0.2 μ m post-manufacturing filtered.

Western Blot (2)

Nature communications

Tumor microenvironmental cytokines bound to cancer exosomes determine uptake by cytokine receptor-expressing cells and biodistribution.

"11-0112-41 was used in Flow Cytometry to show that microenvironmental cytokines, particularly CCL2, decorate cancer exosomes via binding to surface glycosaminoglycan side chains of proteoglycans, causing exosome accumulation in specific cell subsets and organs."

Authors: Lima LG,Ham S,Shin H,Chai EPZ,Lek ESH,Lobb RJ,Müller AF,Mathivanan S,Yeo B,Choi Y,Parker BS,Möller A

Species
Human
Mouse

Dilution
1:400
1:400

Year
2021

Cancer research

Tristetraprolin Limits Inflammatory Cytokine Production in Tumor-Associated Macrophages in an mRNA Decay-Independent Manner.

"Published figure using CD11b monoclonal antibody (Product # 11-0112-41) in Western Blot"

Authors: Kratochvill F,Gratz N,Qualls JE,Van De Velde LA,Chi H,Kovarik P,Murray PJ

Species
Not Applicable

Dilution
Not Cited

Year
2015

Immunohistochemistry (42)

Journal of inflammation research

Dual Activity of Ginsenoside Rb1 in Hypertrophic Cardiomyocytes and Activated Macrophages: Implications for the Therapeutic Intervention of Cardiac Hypertrophy.

"Published figure using CD11b monoclonal antibody (Product # 11-0112-41) in Immunohistochemistry"

Authors: Wang S,Cui Y,Xiong M,Li M,Wang P,Cui J,Du X,Chen Y,Zhang T

Species
Not Applicable

Dilution
Not Cited

Year
2022

International journal of molecular sciences

Mycobacterium tuberculosis Load in Host Cells and the Antibacterial Activity of Alveolar Macrophages Are Linked and Differentially Regulated in Various Lung Lesions of Patients with Pulmonary Tuberculosis.

"Published figure using CD11b monoclonal antibody (Product # 11-0112-41) in Immunohistochemistry"

Authors: Ufimtseva EG,Eremeeva NI,Umpeleva TV,Vakhrusheva DV,Skornyakov SN

Species
Not Applicable

Dilution
Not Cited

Year
2021

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IHC (PFA) (2)

IHC (F) (3)

ICC/IF (19)

Flow (363)

IP (1)

Neu (3)

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