

# CD11b Monoclonal Antibody (CA16.3E10)

## Product Details

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|--------------------|--|
| Size               | 2 mL   |
| Species Reactivity | Bovine, Dog, Cat, Goat, Mustelid, Mink, Pig  |
| Published Species  | Dog, Bovine  |
| Host/Isotype       | Mouse / IgG1   |
| Class              | Monoclonal   |
| Type               | Antibody   |
| Clone              | CA16.3E10  |
| Conjugate          | Unconjugated   |
| Immunogen          | Affinity purified beta-2 integrins from splenic lysate                                       |
| Form               | Liquid   |
| Concentration      | Conc. Not Determined   |
| Storage buffer     | tissue culture supernatant   |
| Contains           | <0.1% sodium azide   |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID               | AB_2538103   |

| Applications                            | Tested Dilution | Publications   |
|---|-----------------|----------------|
| Immunohistochemistry (Frozen) (IHC (F)) | Assay-dependent | -              |
| Flow Cytometry (Flow)                   | Neat            | 2 Publications |
| Immunoprecipitation (IP)                | Assay-dependent | -              |

## Product Specific Information

The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections. For FACS analysis, use 10 µL of the suggested working dilution to label  $1 \times 10^6$  cells in 100 µL.

Mouse anti Dog CD11b antibody, clone CA16.3E10 is a monoclonal antibody recognising the canine CD11b cell surface antigen, a member of the alpha integrin family.

Flow Cytometry (2)

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|--|---|
| <p>Frontiers in immunology</p> <p><b>Autophagy Induced by Palmitic Acid Regulates Neutrophil Adhesion Through the Granule-Dependent Degradation of M2 Integrin in Dairy Cows With Fatty Liver.</b></p> <p>"MA5-16604 was used in Flow cytometry/Cell sorting to demonstrate that high blood PA triggers neutrophil autophagy-dependent vacuolation and granule-dependent adhesion deficiency, decreasing neutrophil mobility, and impairing the innate immune system of dairy cow with fatty liver."</p> <p>Authors: Peng Z,Zhao C,Du X,Yang Y,Li Y,Song Y,Fang B,Zhang Y,Qin X,Zhang Y,Li X,Wang Z,Li X,Liu G</p> | <p><b>Year</b><br/>2021</p> <p><b>Species</b><br/>Bovine</p> <p><b>Dilution</b><br/>1:100</p> |
| <p>Stem cells international</p> <p><b>Isolation and Characterization of Multipotent Canine Urine-Derived Stem Cells.</b></p> <p>"MA5-16604 was used in Flow cytometry/Cell sorting to isolate and verify USCs from canine which are useful for studying cell-based therapies and developing new treatments for musculoskeletal injuries using the preclinical canine model."</p> <p>Authors: Xu Y,Zhang T,Chen Y,Shi Q,Li M,Qin T,Hu J,Lu H,Liu J,Chen C</p>   | <p><b>Year</b><br/>2020</p> <p><b>Species</b><br/>Dog</p>                                     |

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