

Mouse CD11b Monoclonal Antibody | anti-CD11b antibody

MOUSE ANTI DOG CD11b

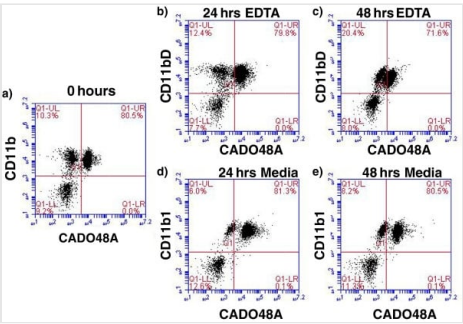
CATALOG # AAA12092	HOST Mouse	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation
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PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; MOUSE ANTI DOG CD11b; anti-CD11b antibody

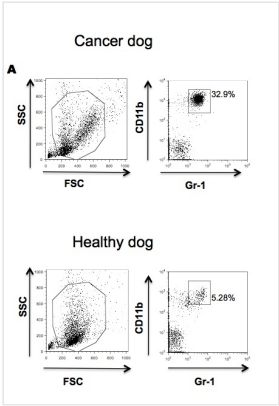
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CA16.3E10
Form/Format	Tissue Culture Supernatant - liquid
Sequence Length	920
Applicable Applications for anti-CD11b antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood Immunohistology - Frozen: Application Note: The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommends the use of acetone fixation for frozen sections. Flow Cytometry: Maximum Dilution: Neat
Perservative Stabilisers	0.1% Sodium Azide
Buffer Solution	Phosphate buffered saline
Target Species	Dog
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



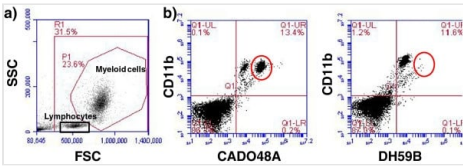
Application Data

Published customer image: Effects of EDTA versus media storage of patient blood samples on flow cytometric results. Peripheral blood cells were (a) stained immediate following collection with CD11b and CADO48A or maintained in EDTA collection tubes for (b) 24 or (c) 48 hours or in media for (d) 24 or (e) 48 hours prior to staining with CD11b and CADO48A. Both EDTA and media samples were kept refrigerated. These findings show a decrease over time of population distinction in EDTA with minimal changes when cells are kept in media up to 48 hours. All cells were gated on P1. From: Sherger et al. BMC Veterinary Research 2012 8:209



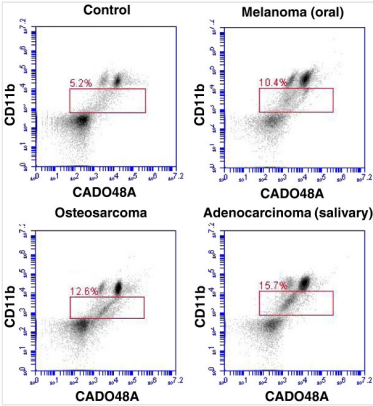
Application Data

Published customer image: Mouse anti-CD11b and Gr-1 antibodies cross-react with canine samples. Fresh PBMCs from healthy dog and cancer patients were isolated by Ficoll, stained with anti-mouse CD11b and anti-mouse Gr-1 antibodies. From: Goulart MR, Pluhar GE, Ohlfest JR (2012) Identification of Myeloid Derived Suppressor Cells in Dogs with Naturally Occurring Cancer. PLoS ONE 7(3): e33274.



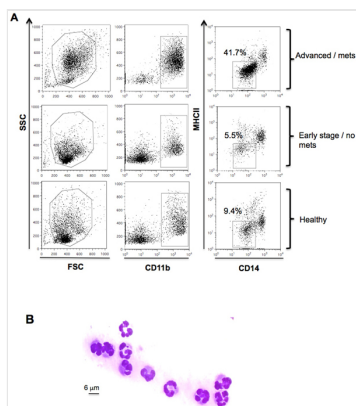
Application Data

Published customer image: Staining characteristics and evaluation of two commercially available canine granulocytic antibodies of canine peripheral blood. (a) Cells were analyzed according to forward and side scatter. Cells were either gated to include all live and dead (no gate), all live cells including lymphocytes (R1, lymphocytes are circled) and all myeloid cells (P1). (b) Cells were labeled using canine anti-CD11b and either (a) CADO48A or (b) DH59B with the same concentration of secondary antibody FITC. As can be seen in (a), CADO48A allows visualization of an additional cell population as compared to DH59B (b). These results were repeatable with multiple blood samples from different dogs. The cells in (b) were gated on P1 as indicated in (a). From: Sherger et al. BMC Veterinary Research 2012 8:209



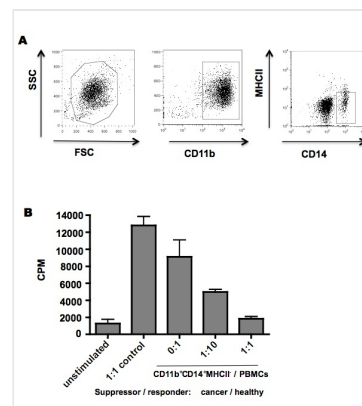
Application Data

Published customer image: Increased percentage of CD11blow/CADO48Alow in tumor-bearing canine patients. The expression levels of CD11blow and CADO48Alow was evaluated from the peripheral blood of representative canine patients and show an increase of CD11blow/CADO48Alow in tumor-bearing canine patients. From: Sherger et al. BMC Veterinary Research 2012 8:209



Application Data

Published customer image: Immunophenotyping gating strategy and morphological analysis for MDSC identification in peripheral blood of dogs. PBMCs from healthy dogs and dogs with cancer were stained for the myeloid marker CD11b, monocytic marker CD14 and MHC II. (A) Representative flow cytometric analysis of forward and side scatter and gated CD11b+CD14-MHCII- cells from dogs with advanced or metastatic tumors compared to dogs with early stage non-metastatic tumors and healthy control dogs. Plots are representative of dog with advanced metastatic hemangiosarcoma (top), early stage bladder transitional cell carcinoma (middle) and a healthy dog. (B) FACS sorted CD11b+CD14-MHCII- cells were stained with diff-quick for cell morphology evaluation. A representative example of polymorphonuclear granulocyte morphology of CD11b+CD14-MHCII- cells is shown at 63x magnification. From: Goulart MR, Pluhar GE, Ohlfest JR (2012) Identification of Myeloid Derived Suppressor Cells in Dogs with Naturally Occurring Cancer. PLoS ONE 7(3): e33274.



Application Data

Published customer image: CD11b+CD14-MHCII- cells demonstrate ability to suppressive T cell proliferation. (A) CD11b+CD14-MHCII- cells were sorted from peripheral blood sample of an osteosarcoma dog (B) and co-cultured with healthy dog PBMCs in the presence of mitogen for 72 hs. Non-stimulated PBMCs were used as negative control and PBMCs co-cultured with healthy PMNs were used to control for the effect of adding cells to the assay. Proliferative responses were measured by 3H-thymidine incorporation. CPM, counts per minute. The experiment was performed in triplicate. Mean +/- SEM are shown. From: Goulart MR, Pluhar GE, Ohlfest JR (2012) Identification of Myeloid Derived Suppressor Cells in Dogs with Naturally Occurring Cancer. PLoS ONE 7(3): e33274.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1616950
NCBI GeneID	397459
Molecular Weight	102,441 Da
NCBI Official Full Name	CD11b, partial
NCBI Official Symbol	ITGAM
NCBI Official Synonym Symbols	CD11B
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	CD11b
UniProt Gene Name	CD11b
UniProt Entry Name	Q28984_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd11b-antibody-clone-ca16-3e10-immunohistochemistry-flow-cytometry-immunoprecipitation-elisa/12092>