

Mouse anti-Bovine CD11b Monoclonal Antibody | anti-CD11b antibody

MOUSE ANTI BOVINE CD11b: RPE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50415	Mouse	Bovine	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; MOUSE ANTI BOVINE CD11b: RPE; CD11b antibody|CC126; anti-CD11b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Bovine
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	CC126
Specificity	CD11b
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE), lyophilized. Phosphate buffered saline Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Applicable Applications for anti-CD11b antibody	FCM/FACS (Flow Cytometry)
Species Cross-Reactivity	Goat, Sheep
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line
Reconstitution	Reconstitute with 1.0 ml distilled water
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.



Application Data

Published customer image: Mouse anti Bovine CD11b antibody, clone CC126 used for the detection of CD11b on ovine leukocytes by flow cytometry. Image caption: Analysis of the phenotype of ovine NKp46+ populations. (A) Two-colour flow cytometry analysis of ovine PBMC co-stained with EC1.1 and a selection of monoclonal antibodies against CD2, CD4, CD8, CD11b, CD16, WC1, IgM and MHCII. WC1 and IgM are surface molecules expressed by subsets of gamma delta T-cells and B-cells respectively. animals. From: Connelley T, Storset AK, Pemberton A, MacHugh N, Brown J, Lund H, Morrison IW. NKp46 defines ovine cells that have characteristics corresponding to NK cells. Vet Res. 2011 Feb 23;42:37. This image is from an open access article distributed under the terms of the Creative Commons Attribution License.



Application Data

Published customer image: Mouse anti Bovine CD11b antibody, clone CC126 used as a blocking antibody preventing Eimeria bovis infection of bovine neutrophils. Image caption: CD11b surface expression and CD11b-dependent-NET formation of bovine E. bovis sporozoite-exposed PMN. (A) Bovine PMN were exposed to CFSE-labeled sporozoites (1:1) and subjected to FACS analysis probing with an antibody directed against CD11b. Non-exposed PMN in plain medium served as negative controls. The histograms represent the shift in the mean fluorescence of the PMN population analyzed and are representative of the experiments performed. (B) NET formation in the presence of anti-CD11b antibodies. Bovine PMN were pre-treated with anti-CD11b prior to sporozoite exposure. Stimulation with zymosan served as a positive control; PMN in plain medium were used for negative controls. From: Muñoz-Caro et al. Eimeria bovis-triggered neutrophil extracellular trap formation is CD11b-, ERK 1/2-, p38 MAP kinase- and SOCE-dependent. Veterinary Research 2015 46:23. This image is from an open access article distributed under the terms of the Creative Commons Attribution License.



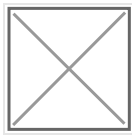
Application Data

Figure A. FITC conjugated mouse anti bovine CD11b and purified mouse IgG1 isotype control detected with RPE conjugated goat anti mouse IgG1. Figure B. FITC conjugated mouse anti bovine CD11b and purified CD13 detected with RPE conjugated goat anti mouse IgG1. All experiments performed on red cell lysed bovine blood gated on mononuclear cells.



Application Data

Figure A. Purified mouse anti bovine CD13 detected with goat anti mouse IgG1 RPE and FITC conjugated mouse IgG2b isotype control. Figure B. Purified mouse anti bovine CD13 detected with goat anti mouse IgG1 RPE and FITC conjugated mouse anti bovine CD11b. All experiments performed on red cell lysed bovine blood gated on mononuclear cells.



Application Data

Figure A. RPE conjugated Mouse anti Bovine CD335 and FITC conjugated Mouse IgG2b isotype control. Figure B. RPE conjugated Mouse anti Bovine CD335 and FITC conjugated Mouse anti Bovine CD11b. All experiments performed on red cell lysed bovine blood gated on live cells in the presence of 10% bovine serum. Data acquired on the ZE5 Cell Analyzer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD11b antibody	Mouse anti Bovine CD11b antibody, clone CC126 recognizes the bovine CD11b cell surface antigen.
References	1. Howard, C.J. & Naessens, J. (1993) Summary of workshop findings for cattle (tables 1 and 2). Vet Immunol Immunopathol. 39 (1-3): 25-47. 2. Naessens, J. et al. (1993) Cross-reactivity of workshop antibodies with cells from domestic and wild ruminants. Vet Immunol Immunopathol. 39 (1-3): 283-90. 3. Akesson, C.P. et al. (2008) Phenotypic characterisation of intestinal dendritic cells in sheep. Dev Comp Immunol. 32: 837-49. 4. Lecchi, C. et al. (2008) Bovine alpha-1 acid glycoprotein can reduce the chemotaxis of bovine monocytes and modulate CD18 expression. Vet Res. 39: 50. 5. Connelley, T. et al. (2011) NKp46 defines ovine cells that have characteristics corresponding to NK cells. Vet Res. 42: 37.

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.