

Mouse CD62L Monoclonal Antibody | anti-CD62L antibody

MOUSE ANTI BOVINE CD62L:RPE

CATALOG # AAA50477	HOST Mouse	REACTIVITY Bovine, Sheep	APPLICATIONS Flow Cytometry, Functional Assay
------------------------------	----------------------	------------------------------------	---

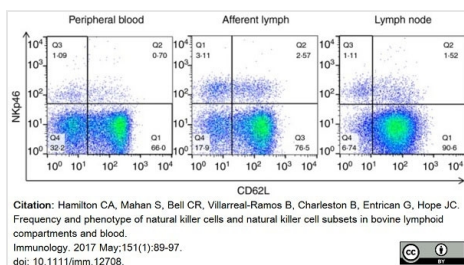
PRODUCT SYNONYMS

CD62L; Monoclonal Antibody; MOUSE ANTI BOVINE CD62L:RPE; LECAM-1; L-SELECTIN; anti-CD62L antibody

PRODUCT SPECIFICATIONS

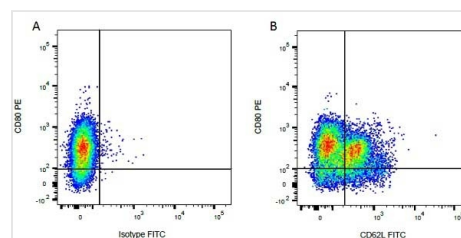
Host	Mouse
Reactivity	Bovine, Sheep
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CC32
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized ALEXA FLUOR 647, FITC, Purified, RPE, S/N Phosphate buffered saline 0.09% Sodium Azide (NaN3) 1% Bovine Serum Albumin
Applicable Applications for anti-CD62L antibody	FCM/FACS (Flow Cytometry)
Immunogen	Bovine lymphocytes
Reconstitution	Reconstitute with 1.0 ml distilled water

IMAGES



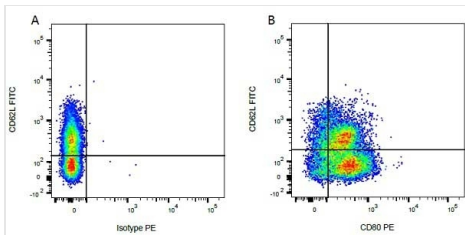
Application Data

Published customer image:Phycoerythrin conjugated Mouse anti Bovine CD335 antibody, clone AKS1 used along with FITC conjugated Mouse anti Bovine CD62L antibody, clone CC32 to evaluate NKp46 expression on bovine lymphocyte populations by flow cytometry. Image caption:CD62L expression by afferent?lymph (AL) ?derived CD2? natural killer (NK) cells may permit homing to lymph nodes (LNs). Lymphocytes from peripheral blood (PB), AL and LNs from seven calves were labelled with monoclonal antibodies for NKp46 and CD62L and analysed by flow cytometry. FACS plots from one representative animal illustrate the expression of NKp46 and CD62L by PB?, AL? and LN?derived lymphocytes (a). Gates were set based on Fluorescence Minus One controls.From: Hamilton CA, Mahan S, Bell CR, Villarreal-Ramos B, Charleston B, Entrican G, Hope JC.Frequency and phenotype of natural killer cells and natural killer cell subsets in bovine lymphoid compartments and blood.Immunology. 2017 May;151(1):89-97.doi: 10.1111/imm.12708.



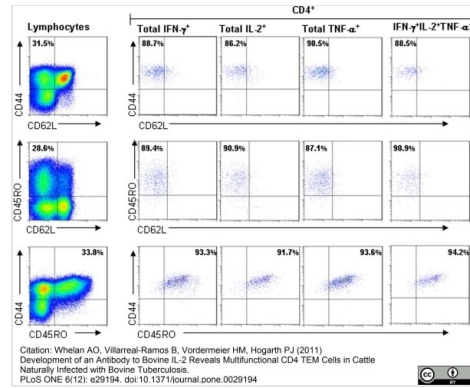
Application Data

Figure A. RPE conjugated mouse anti bovine CD80 and FITC conjugated mouse IgG1 isotype control . Figure B. RPE conjugated mouse anti bovine CD80 and FITC conjugated mouse anti bovine CD62L . All experiments performed on red cell lysed bovine blood gated on mononuclear cells.



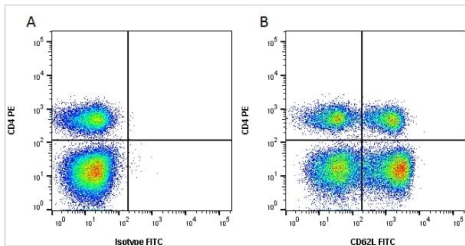
Application Data

Figure A. FITC conjugated mouse anti bovine CD62L and RPE conjugated mouse IgG1 isotype control . Figure B. FITC conjugated mouse anti bovine CD62L and RPE conjugated mouse anti bovine CD80 . All experiments performed on red cell lysed bovine blood gated on mononuclear cells.



Application Data

Published customer image: Mouse anti Bovine CD62L antibody, clone CC32 used for the evaluation of L-selectin expression on PBMC from *M. bovis* cattle by flow cytometry. Image caption: Characterisation of memory markers reveals a characteristic TEM phenotype for multifunctional CD4+ cells in naturally infected cattle. PBMC from naturally *M. bovis* infected cattle were stimulated with PPD-B and stained for production of cytokine by ICS flow cytometry. Histograms were first gated on singlet, live lymphocytes and gating strategies applied to allow phenotyping of cells for expression of CD44, CD45RO and CD62L. The quadrant gate defining expression of CD44 and CD62L (top panel), CD45RO and CD62L (middle panel) or CD44 and CD45RO (bottom panel) was determined using the total live-lymphocyte population, as shown for each surface marker combination in the histograms on the far left of the panel. This quadrant gating strategy was used to determine the surface phenotype of total CD4+IFN- γ +, CD4+IL-2+, CD4+TNF- α + and triple functional CD4+ cells, as shown in the other histograms. The percentage of cytokine producing CD44hiCD62Llo, CD45RO+CD62Llo and CD44hiCD45RO+ is shown for each of these CD4+ populations. The data is from one representative animal of 5 analysed.



Application Data

Figure A. RPE conjugated Mouse anti Bovine CD4 and FITC conjugated Mouse IgG1 isotype control . Figure B. RPE conjugated Mouse anti Bovine CD4 and FITC conjugated Mouse anti Bovine CD62L . All experiments performed on red cell lysed bovine blood gated on lymphocytes in the presence of 10% bovine serum. Data acquired on the ZE5 Cell Analyzer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD62L antibody

Mouse anti Bovine CD62L antibody, clone CC32 recognizes bovine L-selectin, also known as CD62L, Leukocyte-endothelial cell adhesion molecule 1, LECAM-1 or Lymph node homing receptor. Bovine CD62L is a 370 amino acid ~90 kDa, single pass type I transmembrane glycoprotein bearing a single C-type lectin domain, an EGF-like domain and two Sushi domains (UniProt: P98131). Immunoprecipitation of peripheral blood mononuclear cell lysates with Mouse anti Bovine CD62L antibody, clone CC32 reveals a molecule of ~90 kDa when run on polyacrylamide gels under reducing conditions, slightly larger than the murine and human CD62L homologues. Bovine CD62L is expressed on subpopulations of T-lymphocytes expressing CD2, CD4 and CD8. WC1 positive T cells also express CD62L as do a subpopulation of WC3+ve B-lymphocytes and all peripheral blood monocytes (Howard et al. 1992). Mouse anti Bovine CD62L antibody, clone CC32 has also been used successfully for the identification of CD62L on ovine peripheral blood cells by flow cytometry (Halliday et al. 2005).

Product Categories/Family for anti-CD62L antibody

Primary

NCBI AND UNIPROT INFORMATION

NCBI GeneID

281485

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd62l-antibody-clone-cc32-flow-cytometry-elisa/50477>