

Mouse anti-Bovine CD28 Monoclonal Antibody | anti-CD28 antibody

Mouse Anti Bovine CD28

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50352	Mouse	Bovine	Flow Cytometry, Functional Assay

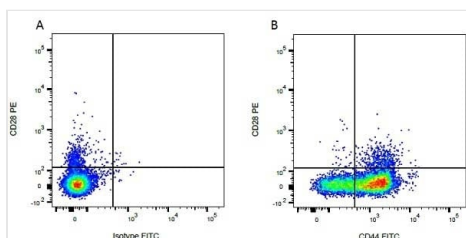
PRODUCT SYNONYMS

CD28; Monoclonal Antibody; Mouse Anti Bovine CD28; CD28 antibody (CC219); anti-CD28 antibody

PRODUCT SPECIFICATIONS

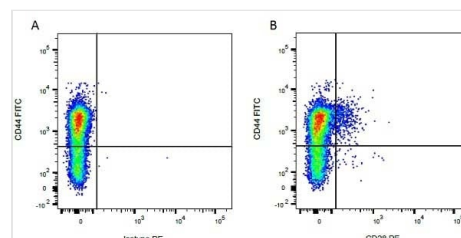
Host	Mouse
Reactivity	Bovine
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CC219
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	219
Applicable Applications for anti-CD28 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Plasmid DNA encoding the bovine CD28 gene
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the SP/2/0 myeloma cell line.
Preservative Stabilizers	0.09% Sodium Azide
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



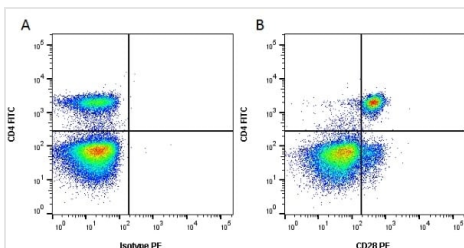
Application Data

Figure A. RPE conjugated Mouse anti Bovine CD28 and FITC conjugated Mouse IgG1 isotype control . Figure B. RPE conjugated Mouse anti Bovine CD28 and FITC conjugated Mouse anti Bovine CD44 . All experiments performed on red cell lysed bovine blood gated on mononuclear cells.



Application Data

Figure A. FITC conjugated Mouse anti Bovine CD44 and RPE conjugated Mouse IgG1 isotype control . Figure B. FITC conjugated Mouse anti Bovine CD44 and RPE conjugated Mouse anti Bovine CD28 . All experiments performed on red cell lysed bovine blood gated on mononuclear cells.



Application Data

Figure A. FITC conjugated Mouse anti Bovine CD4 and RPE conjugated Mouse IgG1 isotype control . Figure B. FITC conjugated Mouse anti Bovine CD4 and RPE conjugated Mouse anti Bovine CD28 . 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-CD28 antibody	Mouse anti Bovine CD28, clone CC219, recognizes the bovine homologue of human CD28, a co-stimulatory cell surface molecule expressed by T cell subsets. CD28 is the receptor for CD80 (B7.1) and CD86 (B7.2). CD28 is involved in increased production of IL-4 and IL-10 in T cells. Mouse anti Bovine CD28, clone CC219 is able to stimulate bovine T cells in combination with anti-bovine CD3. For functional studies it is recommended to use the low endotoxin and preservative free format of this antibody, MCA5779EL. Mouse anti Bovine CD28, clone CC219 has previously been published under the alternative clone designation F848EC4 (Hogg et al. 2011).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30794304
NCBI GeneID	281050
NCBI Accession #	NP_851347.1
NCBI GenBank Nucleotide #	NM_181004.1
UniProt Accession #	Q28071
NCBI Official Full Name	T-cell-specific surface glycoprotein CD28
NCBI Official Synonym Full Names	CD28 molecule
NCBI Official Symbol	CD28
NCBI Protein Information	T-cell-specific surface glycoprotein CD28
UniProt Protein Name	T-cell-specific surface glycoprotein CD28
UniProt Gene Name	CD28
UniProt Entry Name	CD28_BOVIN

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/cd28-antibody-clone-cc219-flow-cytometry-elisa/50352>