

Mouse anti-Sheep , Goat CD8 Monoclonal Antibody | anti-CD8 antibody

MOUSE ANTI BOVINE CD8:RPE

CATALOG # AAA49710	HOST Mouse	REACTIVITY Sheep , Goat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD8; Monoclonal Antibody; MOUSE ANTI BOVINE CD8:RPE; anti-CD8 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Sheep , Goat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	CC63
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized
Sequence Length	242
Applicable Applications for anti-CD8 antibody	FCM/FACS (Flow Cytometry)
RRID	AB_2075540
Reconstitution	Reconstitute with 1 ml distilled water
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Fusion Partners	Spleen cells from an immunised mouse were fused with cells of the mouse NS1 myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Bovine
Species Cross Reactivity	N.B Antibody reactivity and working conditions may vary between species. Cross Reactivity is derived from testing within laboratories, peer-reviewed publications or personal communications from the originators.
Max Ex/Em	Fluorophore : RPE 488nm laser ; Excitation Max (nm): 496 ; Emission Max (nm): 578
Preparation and Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. This product should be stored undiluted. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



Application Data
Staining of bovine peripheral blood lymphocytes with Mouse anti Bovine CD8: FITC



Application Data
Bovine lymph node stained with Mouse anti Bovine CD8 40x. Image courtesy of Dr. J.B. Silvan, Moredun Research Institute, Roslin, UK



Application Data
Bovine lymph node stained with Mouse anti Bovine CD8 10x. Image courtesy of Dr. J.B. Silvan, Moredun Research Institute, Roslin, UK

ADDITIONAL INFORMATION

Related Product Information for anti-CD8 antibody	Mouse anti Bovine CD8 antibody, clone CC63 reacts with the bovine CD8 antigen expressed by a subset of T lymphocytes. The antibody precipitates molecules of 34kD and 38kD under reducing conditions. Clone CC63 has been reported as being suitable for use on formalin dichromate (FD5) fixed paraffin embedded tissue with amplification and antigen retrieval techniques (Gutierrez et al. 1999).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41386762
NCBI GeneID	281060
NCBI Accession #	NP_776440.1
NCBI GenBank Nucleotide #	NM_174015.1
UniProt Accession #	P31783
NCBI Official Full Name	T-cell surface glycoprotein CD8 alpha chain
NCBI Official Synonym Full Names	CD8a molecule<
NCBI Official Symbol	CD8A
NCBI Protein Information	T-cell surface glycoprotein CD8 alpha chain; CD8 antigen, alpha polypeptide (p32)
UniProt Protein Name	T-cell surface glycoprotein CD8 alpha chain
UniProt Gene Name	CD8A
UniProt Entry Name	CD8A_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://stage.aaabiotech.com/monoclonal/cd8-antibody-clone-cc63-flow-cytometry-elisa/49710>