

Mouse anti-Pig CD8 BETA CHAIN Monoclonal Antibody | anti-CD8 antibody

MOUSE ANTI PIG CD8 BETA CHAIN: FITC

CATALOG # AAA50267	HOST Mouse	REACTIVITY Pig	APPLICATIONS Flow Cytometry, Functional Assay
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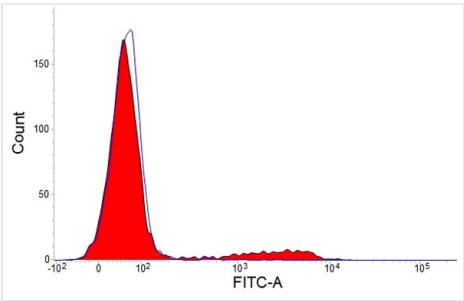
PRODUCT SYNONYMS

CD8 BETA CHAIN; Monoclonal Antibody; MOUSE ANTI PIG CD8 BETA CHAIN: FITC; anti-CD8 antibody

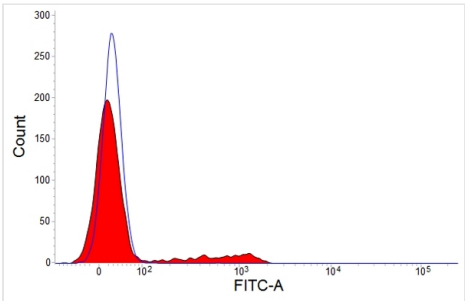
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Pig
Clonality	Monoclonal
Isotype	IgG1
Clone Number	PPT23
Specificity	CD8 BETA
Form/Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	30
Applicable Applications for anti-CD8 antibody	FCM/FACS (Flow Cytometry)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin
Buffer Solution	Phosphate buffered saline
Max Ex/Em	Fluorophore : FITC Excitation (nm): 490 Emission Max (nm): 525
Immunogen	Porcine thymus membrane lysate
Fusion partners	Lymph node cells from immunized BALB/c mice were fused with cells of the NSO myeloma cell line
Preparation and Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.

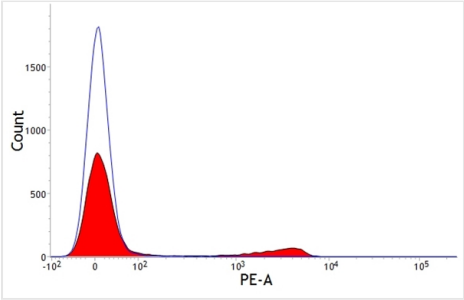
IMAGES



FCM/FACS (Flow Cytometry)
Staining of porcine peripheral blood lymphocytes with Mouse anti Pig CD8 beta chain followed by Goat anti Mouse IgG (H/L):FITC



FCM/FACS (Flow Cytometry)
Staining of porcine peripheral blood lymphocytes with Mouse anti Pig CD8 beta chain:FITC (This product)



FCM/FACS (Flow Cytometry)
Staining of porcine peripheral blood lymphocytes with Mouse anti Pig CD8 beta chain:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-CD8 antibody	Mouse anti Pig CD8 beta chain, clone PPT23, recognizes the porcine homologue of the human CD8 beta chain cell surface antigen. Characterization of clone PPT23, also known under the clone designation FYP1C5, has demonstrated that on peripheral blood lymphocytes and spleen, this antibody binds to cells that are CD3 ⁺ , CD4 ⁻ , CD8 ^{hi} and as such defines this antibody as a specific marker of porcine alpha/beta T cells. Characterization of clone PPT23 has shown that in thymic tissue both CD8lo and CD8hi cells are recognized (Yang H & Parkhouse R.M. 1997). Inhibition studies have demonstrated that clone PPT23 recognizes a different epitope of on the CD8 beta chain to clone PPT22.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4261577
NCBI GeneID	926
Molecular Weight	22,237 Da
NCBI Official Full Name	CD8 beta chain
NCBI Official Synonym Full Names	CD8b molecule
NCBI Official Symbol	CD8B
NCBI Official Synonym Symbols	LY3; P37; LEU2; LYT3; CD8B1
NCBI Protein Information	T-cell surface glycoprotein CD8 beta chain
UniProt Protein Name	T-cell surface glycoprotein CD8 beta chain
UniProt Gene Name	CD8B
UniProt Synonym Gene Names	CD8B1
UniProt Entry Name	CD8B_HUMAN

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/cd8-beta-chain-antibody-clone-ppt23-flow-cytometry-elisa/50267>