

Mouse anti-Pig CD27 Monoclonal Antibody | anti-CD27 antibody

MOUSE ANTI PIG CD27: APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50252	Mouse	Pig	Flow Cytometry, Functional Assay

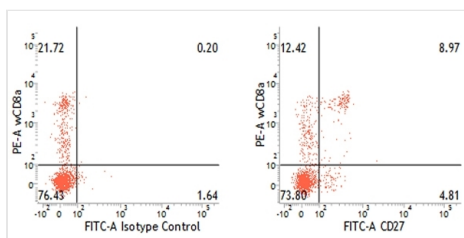
PRODUCT SYNONYMS

CD27; Monoclonal Antibody; MOUSE ANTI PIG CD27: APC; anti-CD27 antibody

PRODUCT SPECIFICATIONS

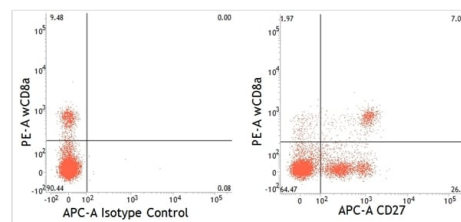
Host	Mouse
Reactivity	Pig
Clonality	Monoclonal
Isotype	IgG1
Clone Number	B30C7
Specificity	CD27
Form/Format	Purified IgG conjugated to Allophycocyanin (APC) - lyophilised
Sequence Length	260
Applicable Applications for anti-CD27 antibody	FCM/FACS (Flow Cytometry)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin, 5% Sucrose
Buffer Solution	Phosphate buffered saline
Reconstitution	Reconstitute with 1.0 ml distilled water
Preparation and Storage	Prior to reconstitution store at +4 degree C. After reconstitution 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. Shelf Life: 12 months from date of reconstitution

IMAGES



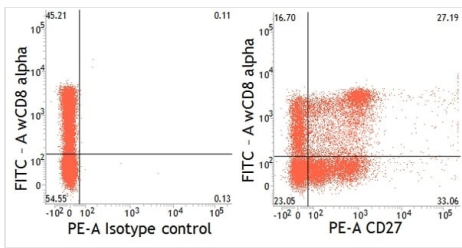
FCM/FACS (Flow Cytometry)

Dual staining of pig peripheral blood lymphocytes with Mouse anti Pig CD27:FITC and Mouse anti Pig wCD8a:RPE



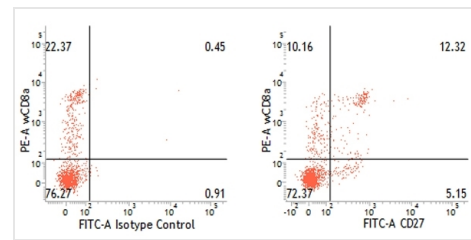
FCM/FACS (Flow Cytometry)

Dual staining of pig peripheral blood lymphocytes with Mouse anti Pig CD27:APC and Mouse anti Pig wCD8a:RPE



Application Data

Dual staining of pig peripheral blood lymphocytes with Mouse anti Pig CD27:RPE and Mouse anti Pig wCD8a:FITC



Application Data

Dual staining of pig peripheral blood lymphocytes with Mouse anti Pig CD27 detected with Goat anti Mouse IgG:FITC , and Mouse anti Pig wCD8a:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-CD27 antibody

Mouse anti Pig CD27 antibody, clone B30C7 recognizes the porcine homologue of human CD27, previously known as Swine Workshop Cluster 2 (SWC2), a T-cell co-stimulatory molecule belonging to the TNF receptor family. In humans the CD27 antigen is expressed by discrete populations of T- and B-cells where it functions in a co-stimulatory role to induce proliferation of T-cells and B-cells, however studies undertaken using the B30C7 clone have been unable to detect expression of CD27 on porcine B-cells (Reutner et al. 2012). Studies in humans have demonstrated CD27 to be involved in apoptosis, research in swine has shown that porcine CD27 is expressed by all naive CD8a-ve T-helper cells and a sub-population of CD8a+ve cells (Reutner et al. 2012). Monoclonal antibodies to CD27 have previously been used to differentiate between subsets of NK cells and research utilizing clone B30C7 has shown that this monoclonal antibody may be used to differentiate between subsets of pig NK cells (Mair et al. 2013).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507587
NCBI GeneID	939
NCBI Accession #	NP_001233.1
NCBI GenBank Nucleotide #	NM_001242.4
Molecular Weight	29,137 Da
NCBI Official Full Name	CD27 antigen
NCBI Official Synonym Full Names	CD27 molecule
NCBI Official Symbol	CD27
NCBI Official Synonym Symbols	T14; S152; Tp55; TNFRSF7; S152. LPFS2
NCBI Protein Information	CD27 antigen
UniProt Protein Name	CD27 antigen
UniProt Gene Name	CD27
UniProt Synonym Gene Names	TNFRSF7
UniProt Entry Name	CD27_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://stage.aaabiotech.com/monoclonal/cd27-antibody-clone-b30c7-flow-cytometry-elisa/50252>