

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

ANTI-Porcine CD172a

PRODUCT NUMBER	APG172	Purified	1.0 mL
	APG172F	FITC Conjugate	50 tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

Mouse monoclonal antibodies specific for porcine CD172a cell surface antigen. Recognizes SWC3 Cluster of Differentiation. Expressed on monocyte-derived dendritic cells, blood and plasmacytoid dendritic cells. CD172a is SIRP-family signal regulatory protein. Immunoprecipitates single band @ 90-110 kDa from alveolar macrophage preps. Expression of CD172a in porcine leukemias reveals blast cells co-expressing CD5 and CD25 and CD172a in aberrant, bi-phenotypic pattern compared to normal PBMC.

Immunohistology: reactive in frozen tissue and observed to react in formalin-fixed, paraffin-embedded tissue.

CLONE: Anti-Pig CD172a Ig chain composition: **Mouse IgG1**
Immunogen: Porcine Alveolar Macrophages. Clone: H7

HANDLING AND STORAGE:

Supplied as liquid preparations. Antibody should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. All reagents in a liquid state should be stored at 2-8° C when not in use. CAUTION: Contains 0.1% sodium azide.

For long-term storage, freeze small aliquots (unconjugated form only), undiluted. Avoid repeat freeze-thaw cycles.

PRODUCT USE:

For flow cytometry Use 10-20 uL per test for direct conjugate. For immuno-histochemistry, Anti-Porcine CD172a should be diluted, (approx. 1:50, optimize) using enough reagent to cover the tissue section or cytoprep. (Optimize)

As second antibody, use ANTIGENIX Goat anti-Mouse Igs (FITC, or PE or Biotin conjugates (cat. #s F200035, F200070, F200065, respectively).

Ref: Piriou-Guzylack, L. (2008); Membrane Markers of Immune cells in Swine; Vet Res., 39:54

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