

## ARG22652 anti-CD203a antibody [PM18-7]

Package: 100 µg

Store at: -20°C

### Summary

Product Description	<p>Mouse Monoclonal antibody [PM18-7] recognizes CD203a</p> <p>This antibody recognizes Porcine CD203a, originally clustered as SWC9 at the Second International Swine CD Workshop (Dominguez et al. 1998) and later identified as the Porcine homologue of Human ecto-nucleotidpyrophosphatase / phosphodiesterase 1 or ENPP1 (Petersen et al. 2007).</p> <p>Mouse anti Pig CD203a was originally reported to immunoprecipitate two bands, one of ~205 kDa and one of ~130 kDa (Dominguez et al. 1998) under both reducing and non-reducing conditions. Subsequent studies suggest that CD203a migrates as a homodimer of ~260 kDa under non-reducing conditions and a 130 kDa monomer under reducing conditions (Petersen et al. 2007) from preparations of Porcine alveolar macrophages.</p> <p>CD203a is expressed widely in macrophage populations with notably high levels on alveolar macrophages (Petersen et al. 2007, Hwang et al. 2015), it is not expressed on monocyte populations (McCullough et al. 1997, Hwang et al. 2015).</p> <p>SWC1a, expressed at very much higher levels on monocytes than mature macrophages and CD203a (SWC9), expressed exclusively on mature tissue macrophages have been used as markers of monocyte-macrophage differentiation (Sanchez et al. 1999).</p>
Tested Reactivity	Pig
Tested Application	FACS, IHC-Fr, IP
Host	Mouse
Clonality	Monoclonal
Clone	PM18-7
Isotype	IgG1
Target Name	CD203a
Species	Pig
Immunogen	Porcine alveolar macrophages.
Conjugation	Un-conjugated

### Application Instructions

Application table	Application	Dilution
	FACS	1:25 - 1:200
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

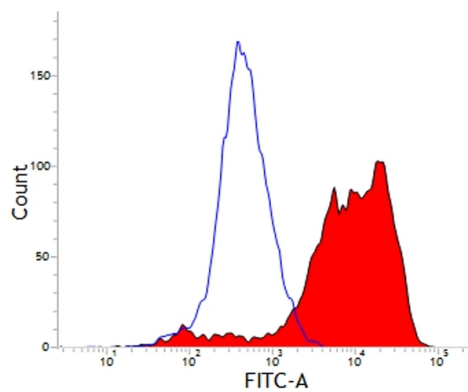
### Properties

Form	Liquid
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Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Images

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ARG22652 anti-CD203a antibody [PM18-7] FACS image

Flow Cytometry: Pig alveolar macrophages stained with ARG22652 anti-CD203a antibody [PM18-7] followed by Goat anti-Mouse IgG (FITC).