

## ARG42423 anti-CD109 antibody [W7C5]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [W7C5] recognizes CD109
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody W7C5 recognizes CD109, an approximately 165 kDa GPI-anchored extracellular protein expressed mainly on various hematopoietic cells, activated T lymphoblasts, activated platelets, and endothelial cells.
Host	Mouse
Clonality	Monoclonal
Clone	W7C5
Isotype	IgG1
Target Name	CD109
Species	Human
Immunogen	WERI-Rb-1 retinoblastoma cell line.
Conjugation	Un-conjugated
Alternate Names	p180; CPAMD7; Platelet-specific Gv antigen; CD109 antigen; r150; 150 kDa TGF-beta-1-binding protein; CD antigen CD109; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

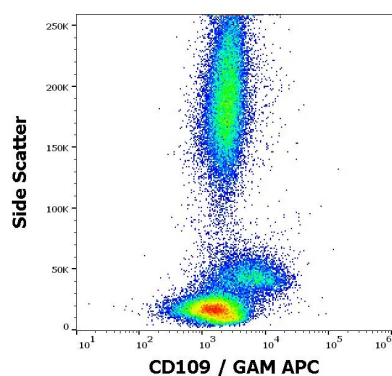
### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM 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.

## Bioinformation

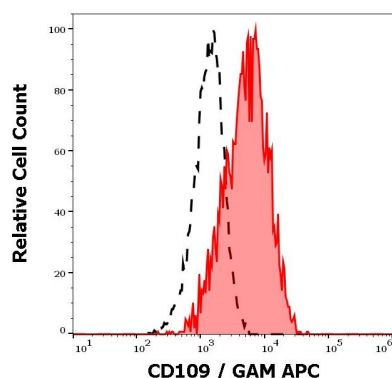
Gene Symbol	CD109
Gene Full Name	CD109 molecule
Background	This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]
Function	Modulates negatively TGFB1 signaling in keratinocytes. [UniProt]
Calculated Mw	162 kDa
PTM	N-glycosylated.  2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

## Images



ARG42423 anti-CD109 antibody [W7C5] FACS image

Flow Cytometry: Human peripheral blood stained with ARG42423 anti-CD109 antibody [W7C5] at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG42423 anti-CD109 antibody [W7C5] FACS image

Flow Cytometry: Separation of Human monocytes (red-filled) from CD109 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG42423 anti-CD109 antibody [W7C5] at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.