

## 30-2662: Anti-Human CD109 Antibody (Clone : W7C5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	W7C5
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD109
<b>Gene ID :</b>	135228
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CPAMD7, p180, r150, FLJ38569, GPA,CD109 molecule
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	WERI-RB-1 retinoblastoma cell line

### Description

CD109, also known as the Gov platelet alloantigen, is a GPI-anchored glycoprotein which localizes to the surface of platelets, activated T-cells, and endothelial cells, as well as of various hematopoietic cells and T cell lines. The protein binds to and negatively regulates signaling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. The Gov antigen system is involved in platelet transfusion reaction, posttransfusion purpura and in neonatal alloimmune thrombocytopenia.

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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified from cell culture supernatant by protein-A affinity chromatography
<b>Content :</b>	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

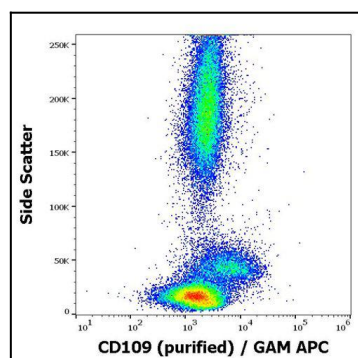


Figure 1 : Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD109 (W7C5) purified antibody (concentration in sample 1 µg/ml) GAM APC.

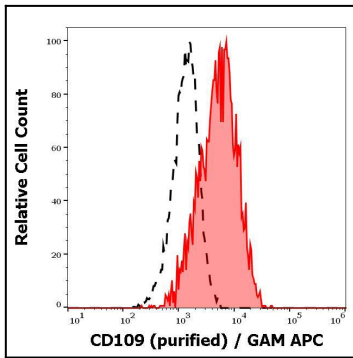


Figure 2 : Separation of human monocytes (red-filled) from CD109 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD109 (W7C5) purified antibody (concentration in sample 1 µg/ml) GAM APC.