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anti-CD109 antibody

Images



Overview

Quantity:	0.1 mg
Target:	CD109
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD109 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	WERI-RB-1 retinoblastoma cell line
Clone:	W7C5
Isotype:	lgG1
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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

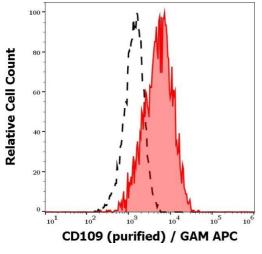
Target:	CD109
Alternative Name:	CD109 (CD109 Products)
Background:	CD109 Molecule,CD109, also known as the Gov platelet alloantigen, is a GPI-anchored glycoprotein which localizes to the surface of platelets, activated T-cells, and endothelial cells, as well as of various hematopoietic cells and T cell 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.,CPAMD7, p180, r150, FLJ38569, GPA
Gene ID:	135228
UniProt:	Q6YHK3
Pathways:	Activated T Cell Proliferation

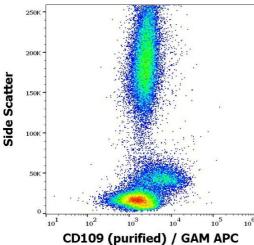
Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 μg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.





Flow Cytometry

Image 1. 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 μ g/mL) GAM APC.

Flow Cytometry

Image 2. Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD109 (W7C5) purified antibody (concentration in sample 1 μ g/mL) GAM APC.