Datasheet for ABIN2749202

anti-PVRL2 antibody

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	0.1 mg
Target:	PVRL2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PVRL2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	NIH/3T3 cells transfected with human Nectin-2
Clone:	R2-525
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody R2.525 recognizes an extracellular epitope on CD112, a type I transmembrane glycoprotein expressed by myelomonocytic and megakaryocytic cells, and by CD34+ hematopoietic progenitors.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	PVRL2
Alternative Name:	CD112 (PVRL2 Products)
Background:	Nectin cell adhesion molecule 2,CD112, also known as nectin-2, is a transmembrane glycoprotein involved in organization of adherens junctions. It also serves as a target molecule for entry of certain strains of herpes simplex virus (HSV) and pseudorabies virus (PRV). It is homologous to CD155, which serves as a target molecule for polio virus. CD112 seems to play a role in neural tube formation, with N-cadherin. Inside the cell, CD112 is connected with actin cytoskeleton through afadin. Variations in the CD112 gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.,NECTIN2, HVEB, PRR2, PVRL2, PVRR2
Gene ID:	5819
UniProt:	Q92692
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization

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.

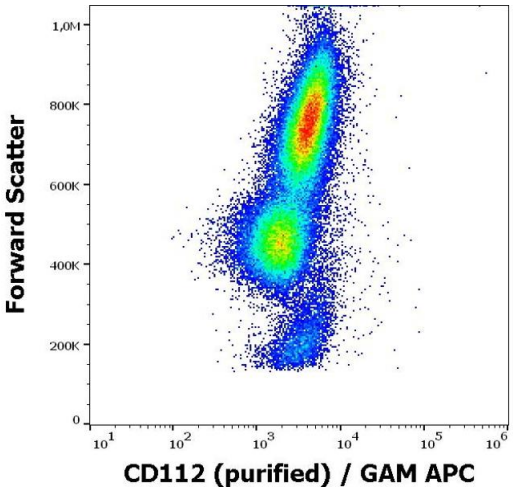
Publications

Product cited in:	Hou, Ge, Zheng, Wei, Sun, Tian: "CD226 protein is involved in immune synapse formation and triggers Natural Killer (NK) cell activation via its first extracellular domain." in: **The Journal of**

Publications

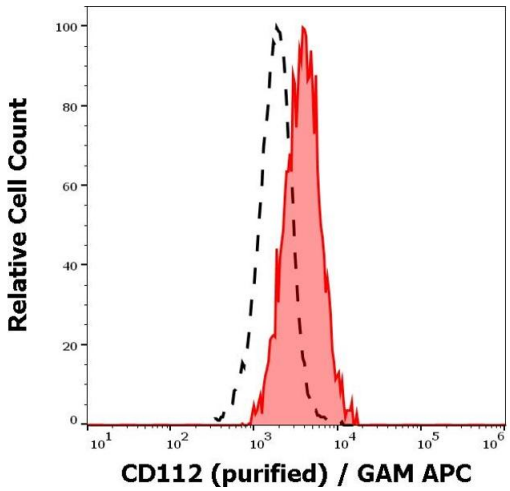
biological chemistry, Vol. 289, Issue 10, pp. 6969-77, (2014) (PubMed).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD112 (R2.525) purified antibody (concentration in sample 9 µg/mL) GAM APC.



Flow Cytometry

Image 2. Separation of human CD112 positive thrombocytes(red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD112 (R2.525) purified antibody (concentration in sample 9 µg/mL) GAM APC.