

ARG42295 anti-Nectin 1 antibody [R1.302] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [R1.302] recognizes Nectin 1
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody R1.302 recognizes an extracellular epitope on CD111 (also known as Nectin 1), a 75 kDa type I transmembrane glycoprotein broadly expressed on endothelial cells, epithelial cells, neuronal cells, megakaryocytes, and CD34-positive stem cells.
Host	Mouse
Clonality	Monoclonal
Clone	R1.302
Isotype	IgG1, kappa
Target Name	Nectin 1
Species	Human
Immunogen	NIH/3T3 cells transfected with Human Nectin 1.
Conjugation	PE
Alternate Names	HveC; nectin-1; PVRR1; PVRR; HV1S; Nectin-1; PRR1; HlgR; SK-12; CD111; CD antigen CD111; Herpesvirus Ig-like receptor; CLPED1; OFC7; ED4; PRR; Herpes virus entry mediator C; Herpesvirus entry mediator C; Poliovirus receptor-related protein 1; HVEC

Application Instructions

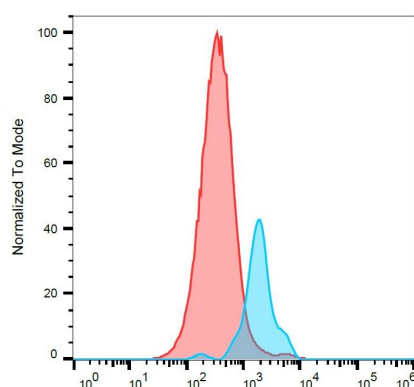
Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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.

Gene Symbol	PVRL1
Gene Full Name	poliovirus receptor-related 1 (herpesvirus entry mediator C)
Background	This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini. [provided by RefSeq, Oct 2009]
Function	Promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions have been detected between NECTIN1 and NECTIN3 and between NECTIN1 and NECTIN4. Has some neurite outgrowth-promoting activity. (Microbial infection) Acts as a receptor for herpes simplex virus 1/HHV-1, herpes simplex virus 2/HHV-2, and pseudorabies virus/PRV. [UniProt]
Calculated Mw	57 kDa
Cellular Localization	Isoform Alpha: Cell membrane; Single-pass type I membrane protein. Cell junction, synapse, presynaptic cell membrane. Isoform Delta: Cell membrane; Single-pass type I membrane protein. Isoform Gamma: Secreted. [UniProt]

Images



ARG42295 anti-Nectin 1 antibody [R1.302] (PE) FACS image

Flow Cytometry: Separation of human CD34 positive stem cells (blue) from lymphocytes (red). Human peripheral whole blood stained with ARG42295 anti-Nectin 1 antibody [R1.302] (PE) at 1 µg/ml dilution.