

## ARG42345 anti-Nectin 2 antibody [R2.525] (PE)

Package: 50 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [R2.525] recognizes Nectin 2
Tested Reactivity	Hu
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	R2.525
Isotype	IgG1, kappa
Target Name	Nectin 2
Species	Human
Immunogen	NIH/3T3 cells transfected with Human Nectin 2.
Conjugation	PE
Alternate Names	PVRR2; Nectin-2; HveB; PRR2; HVEB; CD antigen CD112; CD112; Poliovirus receptor-related protein 2; Herpes virus entry mediator B; Herpesvirus entry mediator B

### Application Instructions

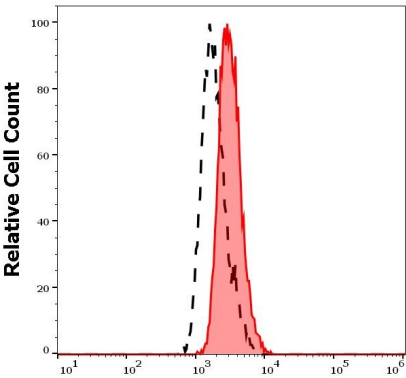
Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 <sup>6</sup> cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### 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	PVRL2
Gene Full Name	poliovirus receptor-related 2 (herpesvirus entry mediator B)
Background	This gene encodes a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Variations in this gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Function	<p>Modulator of T-cell signaling. Can be either a costimulator of T-cell function, or a coinhibitor, depending on the receptor it binds to. Upon binding to CD226, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Upon interaction with PVRIG, inhibits T-cell proliferation. These interactions are competitive (PubMed:26755705). Probable cell adhesion protein (PubMed:9657005).</p> <p>(Microbial infection) Acts as a receptor for herpes simplex virus 1 (HHV-1) mutant Rid1, herpes simplex virus 1 (HHV-2) and pseudorabies virus (PRV). [UniProt]</p>
Calculated Mw	58 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42345 anti-Nectin 2 antibody [R2.525] (PE) FACS image

Flow Cytometry: Separation of Caco-2 cells stained with ARG42345 anti-Nectin 2 antibody [R2.525] (PE) (10 µl reagent / 10<sup>6</sup> cells in 100 µl of cell suspension) (red-filled) from Caco-2 cells stained with [ARG65337](#) Mouse IgG1 Kappa Isotype Control antibody [MOPC-21] (PE) at 5 µg/ml dilution (black-dashed).