

Product datasheet for **SM1777PE**

Nectin 2 (NECTIN2) Mouse Monoclonal Antibody [Clone ID: R2.525]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R2.525
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD112, a type I transmembrane glycoprotein expressed by myelomonocytic and megakaryocytic cells, and by CD34+ hematopoietic progenitors.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	nectin cell adhesion molecule 2
Database Link:	Entrez Gene 5819 Human Q92692



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Background:

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.

Synonyms:

Nectin-2, PVRL2, HVEB, PRR2, Nectin-2