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## 30-2391: PE Conjugated, Anti-CD111 / Nectin-1 Monoclonal Antibody (Clone:R1.302)

Clonality: Monoclonal **Clone Name:** R1.302 Application: FACS Reactivity: Human Conjugate: PΕ Gene: NECTIN1 Gene ID: 5818 **Uniprot ID:** Q15223

Alternative Name : NECTIN1, HVEC, PRR1, PVRL1

**Isotype:** Mouse IgG1

Immunogen Information: NIH/3T3 cells transfected with human CD111

## **Description**

CD111, also known as nectin-1, is a calcium-independent cell-cell adhesion transmembrane glycoprotein involved in organization of adherens junctions and tight junctions in epithelial and endothelial cells. It also serves as a target molecule for entry of herpes simplex virus (HSV-1, HSV-2) and pseudorabies virus (PRV) into epithelial and neuronal cells. CD111 is connected with actin cytoskeleton through afadin. Mutations in the gene for CD111 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.

## **Product Info**

Amount: 100 tests

**Storage condition:** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

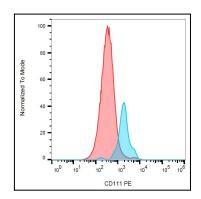


Figure 1: Surface staining of human peripheral blood with anti-human CD111 (R1.302) PE.