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anti-PVRL1 antibody (PE)



Image



Go to Product page

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| Quantity: | 100 tests |
|--------------|---|
| Target: | PVRL1 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This PVRL1 antibody is conjugated to PE |
| Application: | Flow Cytometry (FACS) |
| | |

Product Details

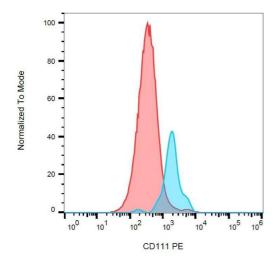
| Immunogen: | NIH/3T3 cells transfected with human CD111 |
|-----------------------------|--|
| Clone: | R1-302 |
| Isotype: | IgG1 kappa |
| Specificity: | The mouse monoclonal antibody R1.302 recognizes an extracellular epitope on CD111 (also known as Nectin 1), a 75 kDa type I transmembrane glycoprotein broadly expressed on endothelial cells, epithelial cells, neuronal cells, megakaryocytes, and CD34-positive stem cells. |
| Cross-Reactivity (Details): | Human |
| Purification: | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography |

Target Details

Target: PVRL1

Target Details

| Alternative Name: | CD111 (PVRL1 Products) |
|---------------------------|--|
| Background: | Nectin cell adhesion molecule 1,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., NECTIN1, ED4, HIgR, HV1S, HVEC, |
| | OFC7, PRR1, PVRR, CD111, PVRL1, PVRR1, SK-12, CLPED1 |
| Gene ID: | 5818 |
| UniProt: | Q15223 |
| Pathways: | Cell-Cell Junction Organization |
| Application Details | |
| Application Notes: | Flow cytometry: The reagent is designed for 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. |
| Comment: | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The |
| | conjugate is purified by size-exclusion chromatography and adjusted for direct use. No |
| | reconstitution is necessary. |
| Restrictions: | For Research Use only |
| Handling | |
| Buffer: | Stabilizing 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. Protect from prolonged exposure to light. Do not freeze. |
| Storage: Storage Comment: | |



Flow Cytometry

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