

30-2865: Anti-Human CD369 APC MAb(Clone :15E2)

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| Clonality : | Monoclonal |
| Clone Name : | 15E2 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | APC |
| Gene : | CLEC7A |
| Gene ID : | 64581 |
| Uniprot ID : | Q9BXN2 |
| Alternative Name : | C-type lectin domain containing 7A, Dectin-1, CLEC7A, BGR, CANDF4, SCARE2 |
| Isotype : | Mouse IgG2a kappa |
| Immunogen Information : | Extracellular part of human CD369 with hIgG FC tag |

Description

Specificity: The mouse monoclonal antibody 15E2 recognizes an extracellular epitope LWEDGSTFSSN of human CD369 (Dectin-1), a 33 kDa transmembrane glycoprotein expressed predominantly on dendritic cells.

CD369 (dectin-1, beta-glucan receptor) is a 33 kDa type II transmembrane glycoprotein of lectin family, and serves as a part of innate immunity system by binding to beta-glucan polymers, which are typical for yeast and mycobacterial cell walls. CD369 is expressed predominantly on dendritic cells, but it can be detected also on monocytes, macrophages, mast cells, eosinophils, B cells, endothelial cells, and sometimes also on some T cell subsets.

Product Info

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| Amount : | 100 tests |
| Purification : | Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| Content : | Formulation: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage condition : | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

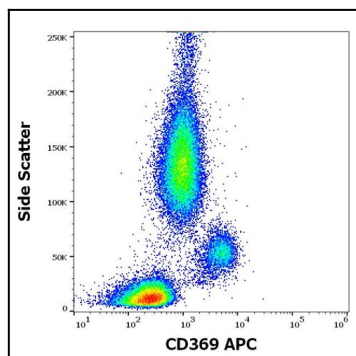


Fig 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

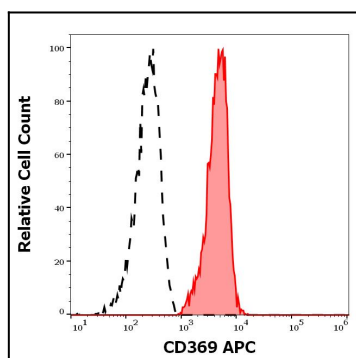


Fig 2: Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).