

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

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | 15E2  |
| <b>Application :</b>           | FACS  |
| <b>Reactivity :</b>            | Human   |
| <b>Conjugate :</b>             | APC   |
| <b>Gene :</b>                  | CLEC7A  |
| <b>Gene ID :</b>               | 64581   |
| <b>Uniprot ID :</b>            | Q9BXN2  |
| <b>Alternative Name :</b>      | C-type lectin domain containing 7A, Dectin-1, CLEC7A, BGR, CANDF4, SCARE2 |
| <b>Isotype :</b>               | Mouse IgG2a kappa   |
| <b>Immunogen Information :</b> | 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 tests   |
| <b>Purification :</b>      | Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| <b>Content :</b>           | Formulation: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide  |
| <b>Storage condition :</b> | 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 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

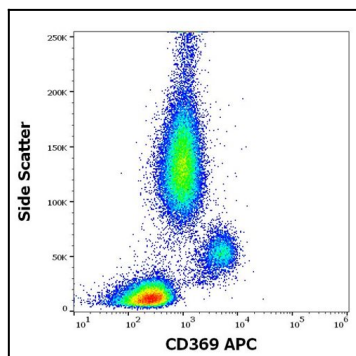


Fig 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

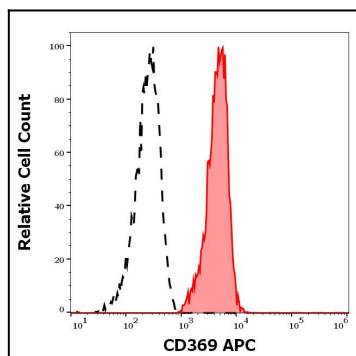


Fig 2: Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).