

### 30-2917: Anti-Hu CD367 PE Mab (9E8)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	9E8
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human,Non-Human Primates
<b>Conjugate :</b>	PE
<b>Gene :</b>	CLEC4A
<b>Gene ID :</b>	50856
<b>Uniprot ID :</b>	Q9UMR7
<b>Alternative Name :</b>	DCIR, CLEC4A, LLIR
<b>Isotype :</b>	Mouse IgG1 kappa
<b>Immunogen Information :</b>	CD367 ectodomain fused with human Fc

#### Description

Specificity: The mouse monoclonal antibody 9E8 recognizes an extracellular epitope of human CD367, a type II transmembrane protein of C-lectin family, expressed mainly on antigen presenting cells.

CD367 is an approximately 20-28 kDa C-type lectin with immunoreceptor tyrosine-based inhibitory motif (ITIM) in its cytoplasmic part. CD367 binds in calcium-dependent manner to mannose, fucose, and weakly also to N-acetylglucosamine. It is expressed on dendritic cells, macrophages, monocytes, B cells, and neutrophils. In rheumatoid arthritis patients CD367 is expressed also on CD4+ T cells. After ligand-mediated triggering, it is internalized by clathrin-dependent endocytosis and contributes to the antigen presentation to CD8+ T cells. It may also be involved in modulation of the antigen presenting cell response.

#### Product Info

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Storage Buffer: 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.

#### 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.

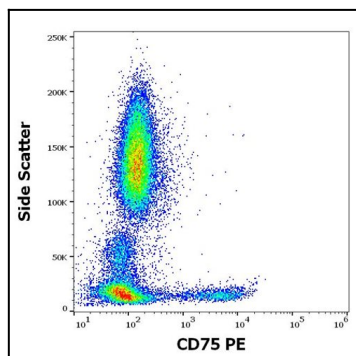


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD75 (LN1) PE antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

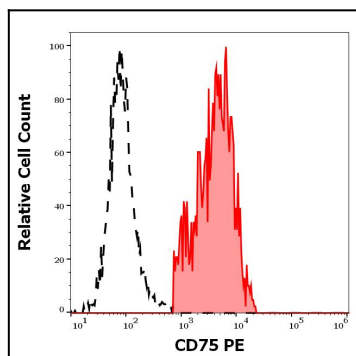


Figure 2: Separation of human CD75 positive lymphocytes (red-filled) from CD75 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD75 (LN1) PE antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).