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

Clonality :	Monoclonal
Clone Name :	9E8
Application :	FACS
Reactivity :	Human,Non-Human Primates
Conjugate :	PE
Gene :	CLEC4A
Gene ID :	50856
Uniprot ID :	Q9UMR7
Alternative Name :	DCIR, CLEC4A, LLIR
Isotype :	Mouse IgG1 kappa
Immunogen Information :	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 arthitis 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

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

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

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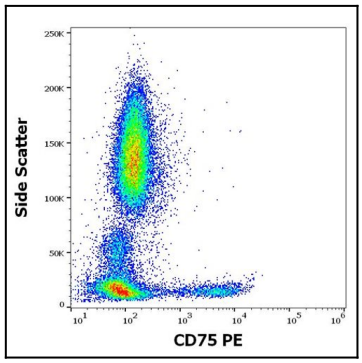

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD75 (LN1) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).

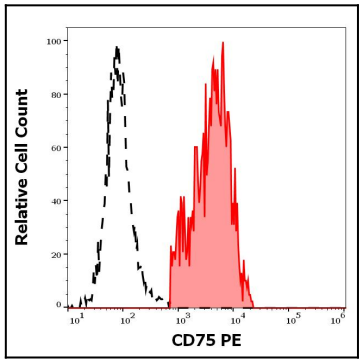

Figure 2: Separation of human CD75 positive lymphocytes (red-filled) from CD75 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD75 (LN1) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).