

### 30-2872: Anti-Human CD75 FITC Mab (Clone: LN1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	LN1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<b>Alternative Name :</b>	lactosamine
<b>Isotype :</b>	Mouse IgM kappa
<b>Immunogen Information :</b>	Stimulated human PBL

#### Description

**Specificity :** The mouse monoclonal antibody LN1 recognizes CD75, a lactosamine structure present mainly on the surface of B cell types.

CD75 is a lactosamine structure, which is present mainly on the surface of germinal center B cells. With lower level it is present on other mature B cells, and it is downregulated during differentiation to plasma cells. It is a marker which differentiates between malignant B cell types.

#### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Storage Buffer: Stabilizing Tris buffered saline (TBS), pH 8.0, 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 4 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

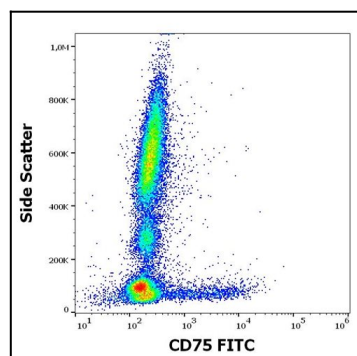


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD75 (LN1) PE antibody (4 µl reagent / 100 µl of peripheral whole blood).

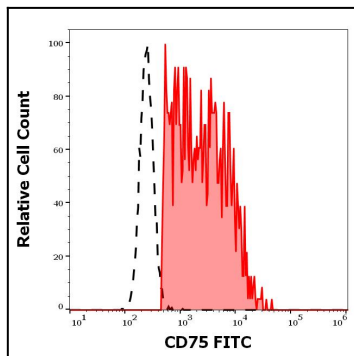


Figure 2: Separation of human CD75 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD75 (LN1) PE antibody (4  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).