

## 30-2897: Anti-Hu CD316 PE Mab(8A12)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	8A12
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene ID :</b>	93185
<b>Uniprot ID :</b>	Q969P0
<b>Alternative Name :</b>	EWI2, PGRL, KCT-4, LIR-D1, IGSF8
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	human leukocytes

### Description

**Specificity:** The mouse monoclonal antibody 8A12 recognizes an extracellular epitope of CD316, a type I transmembrane glycoprotein, expressed mainly by lymphocytes, NK cells and in a broad range of tissues.

CD316 is an approximately 63 kDa transmembrane glycoprotein, which forms stable complexes with CD9, as well as with CD81. It seems that CD316 participates in regulation of cell polarity and motility, in cell proliferation, oocyte fertilization and tumor cell metastasis. It is expressed mainly by lymphocytes, NK cells and in a broad range of tissues, and associates with actin cytoskeleton.

### 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>	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.

### 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.

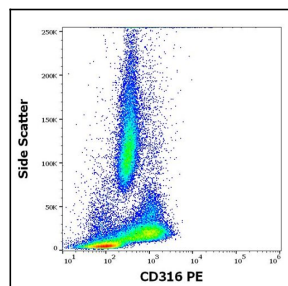


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD316 (8A12) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

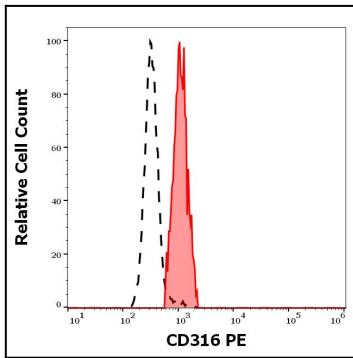


Figure 2: Separation of human monocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD316 (8A12) PE antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).