

## 30-2925PE-Cy7: Anti-Human CD226 Monoclonal Antibody (Clone:11A8) PE-Cy7 Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	11A8
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human,Non-Human Primates
<b>Conjugate :</b>	PE/CY7
<b>Gene ID :</b>	10666
<b>Uniprot ID :</b>	Q15762
<b>Format :</b>	Purified
<b>Alternative Name :</b>	DNAM1, PTA1, TLISA1
<b>Isotype :</b>	Mouse IgG1 kappa

### Description

CD226 is a type I transmembrane glycoprotein, which is expressed after activation on NK cells, platelets, monocytes, and some T cells. Its expression is increased in patients suffering from some autoimmune diseases or viral infections. CD226 is being phosphorylated on its cytoplasmic tail and interacts with LFA-1 complex (CD11a/CD18), resulting in calcium-independent intercellular contacts. Ligands for CD226 are CD155 and CD112.

### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. 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.

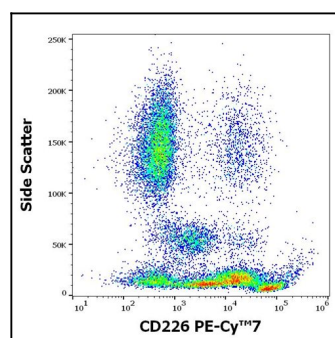


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD226 (11A8) PE-Cy<sup>TM</sup> 7 antibody

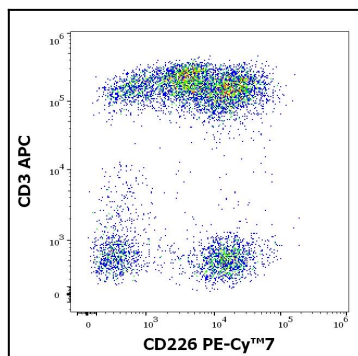


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD3 (UCHT1) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD226 (11A8) PE-Cy<sup>TM</sup>7 antibody

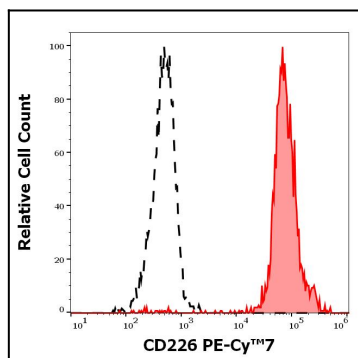


Figure 3: Separation of human CD45 negative blood debris (red-filled) from CD226 negative neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD226 (11A8) PE-Cy<sup>TM</sup>7 antibody