

### 30-2748: Anti-Hu CD92 PE

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	VIM15
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	SLC44A1
<b>Gene ID :</b>	23446
<b>Uniprot ID :</b>	Q8WWI5
<b>Alternative Name :</b>	solute carrier family 44 member 1 CTL1, CHTL1, SLC44A1
<b>Immunogen Information :</b>	MV4-11 acute myeloid leukemia cells

#### Description

CD92 is a 70 kDa protein with ten transmembrane domains, intracellular N and C terminus, and two glycosylated larger extracellular loops. In the C-terminal domain, there is an ITIM-like sequence. This protein seems to be a choline transporter responsible for delivery of choline into the immune cells, to make it accessible for phospholipid synthesis, as well as a regulator of immune cell signaling. It is expressed mainly on human peripheral blood monocytes and neutrophils, and several myeloid and T-cell lines. It can also be found on mast cells (but not eosinophils), and weakly on peripheral blood lymphocytes, fibroblasts, epithelial cells, and endothelial cells.

**Specificity :** The mouse monoclonal antibody VIM15 recognizes an extracellular epitope of CD92, a 70 kDa transmembrane glycoprotein expressed mainly on human peripheral blood monocytes and neutrophils, and several myeloid and T-cell lines.

#### 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>	Concentration: 0.5 mg/ml Storage Buffer: 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<sup>5</sup> cells / 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.