

### 30-2795: Anti-Hu CD307d PE

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	A1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	FCRL4
<b>Gene ID :</b>	83417
<b>Uniprot ID :</b>	Q96PJ5
<b>Alternative Name :</b>	Fc receptor like 4 FcRL4, FCRH4, IRTA1
<b>Immunogen Information :</b>	DNA-immunization followed by a boost with CD307d-transfected cells

#### Description

CD307d is a type I transmembrane glycoprotein of the Fc receptor family. It contains two ITIM motifs and one ITSM motif in its cytoplasmic domain. CD307d is expressed mainly on the surface of memory B cells in mucosa-associated lymphoid tissues. It binds to aggregated immunoglobulin molecules (IgA, IgG). Defects of CD307d may play a role in HIV-induced memory B cell dysfunction.

**Specificity :** The mouse monoclonal antibody A1 recognizes an epitope within extracellular domain of CD307d, a transmembrane glycoprotein expressed mainly on memory B cells.

#### 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: 1 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>  $\mu$ l reagent / 100  $\mu$ l of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.