

## 30-2700: Anti-Hu CD307c PE

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	H5
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	FCRL3
<b>Gene ID :</b>	115352
<b>Uniprot ID :</b>	Q96P31
<b>Alternative Name :</b>	FcRL3, IRTA3
<b>Isotype :</b>	Mouse IgG2b kappa
<b>Immunogen Information :</b>	DNA-immunization followed by a boost with CD307c transfected cells

## Description

CD307c is a type I transmembrane glycoprotein of the Fc receptor family. It contains both ITAM and ITIM motifs in its cytoplasmic domain. CD307c is expressed on the surface of NK cells, and T, Treg, B and plasma cell subsets. It seems to play a role in the regulation of immune response. Defects in CD307c function can result in autoimmune diseases, e.g. rheumatoid arthritis or systemic lupus erythematosus.

**Specificity :** The mouse monoclonal antibody H5 recognizes an epitope within extracellular part of CD307c, a transmembrane glycoprotein expressed mainly on NK cells, and T and B cell subsets.

## 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>	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. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

## 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.

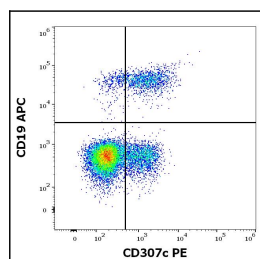


Figure : Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD307c (H5) PE antibody (10 µl reagent / 100 µl of peripheral whole blood) and CD19 (LT19) APC antibody (4 µl reagent / 100 µl of peripheral whole blood).