

### 30-2719: Anti-Hu SIGLEC8 PE

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	7C9
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	SIGLEC8
<b>Gene ID :</b>	27181
<b>Uniprot ID :</b>	Q9NYZ4
<b>Alternative Name :</b>	sialic acid binding Ig like lectin 8 SAF2
<b>Immunogen Information :</b>	Extracellular domain of human SIGLEC8 fused with Fc fragment of human IgG1

#### Description

SIGLEC8 is a sialic acid binding lectin similar to CD33. In its cytoplasmic domain it contains an immunoreceptor tyrosine-based inhibitory motif (ITIM), and a motive similar to a binding site for SLAM-associated protein. SIGLEC8 is expressed e.g. in lymph nodes and spleen. It is an eosinophil marker, although it can be found also on the surface of mast cells. Crosslinking of SIGLEC8 leads to apoptosis. Soluble form of SIGLEC8 can be found in human serum, especially in case of eosinophil-associated diseases.

**Specificity :** The mouse monoclonal antibody 7C9 recognizes an extracellular epitope of SIGLEC8, an eosinophil marker, expressed e.g. in lymph nodes and spleen.

#### 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 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.