

## 30-2726AC: APC Conjugated Anti-Hu NKp80 (Clone: 5D12)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	5D12
<b>Application :</b>	FACS
<b>Reactivity :</b>	Monkey,Human
<b>Conjugate :</b>	APC
<b>Gene :</b>	KLRF1
<b>Gene ID :</b>	51348
<b>Uniprot ID :</b>	Q9NZS2
<b>Alternative Name :</b>	killer cell lectin like receptor F1 KLRF1, CLEC5C
<b>Isotype :</b>	Mouse IgG1 kappa
<b>Immunogen Information :</b>	recombinant human NKp80 extracellular domain

### Description

NKp80, also known as CLEC5C or KLRF1, is a type II transmembrane glycoprotein of the C lectin family, which is expressed in 80 kDa homodimers on NK cells, and subsets of CD8+ alpha/beta T cells, and gamma/delta T cells. It belongs to the activating coreceptors, which induce cytotoxicity, and production of pro-inflammatory cytokines. Its ligand AICL is expressed on myeloid cells.

Specificity :The mouse monoclonal antibody 5D12 recognizes an extracellular epitope of human NKp80 (CLEC5C), a C-type lectin family member, expressed on NK cells and subsets of T cells.

### Product Info

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and 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. Do not freeze. Protect from prolonged exposure to light.

### 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.

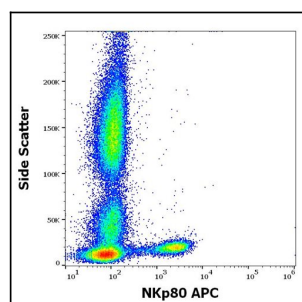


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human NKp80 (5D12) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

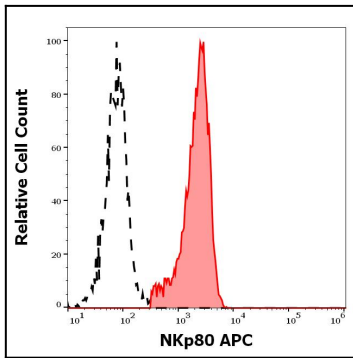


Figure 2: Separation of human NKp80 positive lymphocytes (red-filled) from NKp80 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human NKp80 (5D12) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).