

### 30-2867: Anti-Human CD158z PE MAb(Clone :CH21)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CH21
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	KIR3DL3
<b>Gene ID :</b>	115653
<b>Uniprot ID :</b>	Q8N743
<b>Alternative Name :</b>	killer cell immunoglobulin like receptor, three Ig, KIR3DL3
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	human CD158z transfectants

#### Description

Specificity: The mouse monoclonal antibody CH21 recognizes an extracellular epitope of human CD158z (KIR3DL3), a transmembrane glycoprotein of killer cell inhibitory receptor family.

CD158z (KIR3DL3) is one of killer cell inhibitory receptors. It has three extracellular immunoglobulin-like domains and a long cytoplasmic tail, which, however, contains only one ITIM. Like other KIRs, CD158z is highly polymorphic, but it seems that its immunoglobulin-like domains are quite conserved among high primates.

#### Product Info

<b>Amount :</b>	0.1 mg
<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>	0.1 mg/ml Formulation : 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: Recommended dilution: 1-5 µg/ml

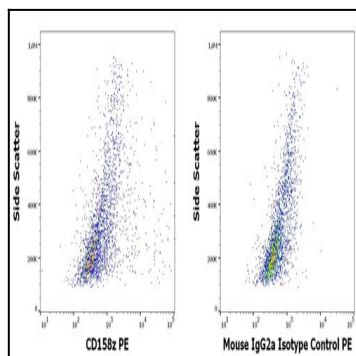


Fig 1: Flow cytometry surface staining patterns of KIR3DL3 (CD158z) transfected HEK-293 suspension stained using anti-human CD158z (CH21) PE antibody (concentration in sample 5  $\hat{1}\frac{1}{4}$ g/ml, left) or mouse IgG2a isotype control (MOPC-173) PE antibody (concentration in sample 5  $\hat{1}\frac{1}{4}$ g/ml, same as CD158z PE concentration, right).

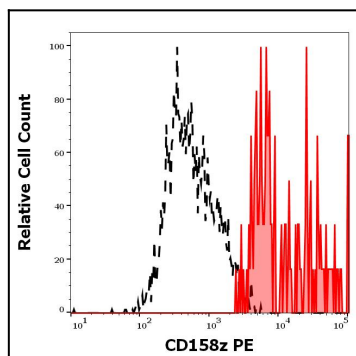


Fig 2: Separation of CD158z positive cells (red-filled) from CD158z negative cells (black-dashed) in flow cytometry analysis (surface staining) of KIR3DL3 (CD158z) transfected HEK-293 suspension stained using anti-human CD158z (CH21) PE antibody (concentration in sample 5  $\hat{1}\frac{1}{4}$ g/ml).