

PE Rabbit anti-Human KIR3DL1/CD158e mAb

Catalog No.: A26595

Basic Information

Observed MW

Calculated MW
49kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC67325-PE

Conjugate
PE. Ex:565nm. Em:574nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l volume

Background

Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several "framework" genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response.

Immunogen Information

Gene ID	Swiss Prot
3811	P43629

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-340 of human KIR3DL1/CD158e (NP_037421.2).

Synonyms

KIR; NKB1; NKAT3; NKB1B; NKAT-3; CD158E1; KIR2DL5B; KIR3DL1/S1

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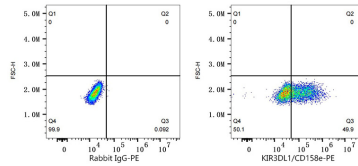
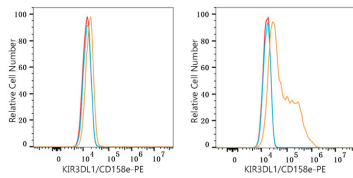
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 293T cells (negative control, left) and 293T (Transfection, right) cells were surface-stained with PE Rabbit anti-Human KIR3DL1/CD158e mAb (A26595, 5 $\mu\text{l}/\text{Test}$, orange line) or PE Rabbit IgG isotype control (A24172, 5 $\mu\text{l}/\text{Test}$, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 293T (Transfection) cells were surface-stained with PE Rabbit IgG isotype control (A24172, 5 $\mu\text{l}/\text{Test}$, left) or PE Rabbit anti-Human KIR3DL1/CD158e mAb (A26595, 5 $\mu\text{l}/\text{Test}$, right).