

# ABflo® 594 Rabbit anti-Human CD158a/KIR2DL1 mAb

**Catalog No.: A24816**

## Basic Information

**Observed MW**

Refer to figures

**Calculated MW**

38kDa/41kDa

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Human

**CloneNo number**

ARC62408

**Conjugate**

ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in 100 µl 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**

3802

**Swiss Prot**

P43626

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

NKAT; NKAT1; p58.1; CD158A; KIR221; NKAT-1; KIR-K64; KIR2DL3

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

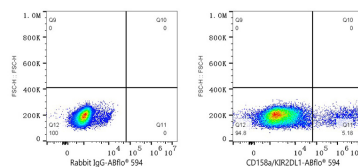
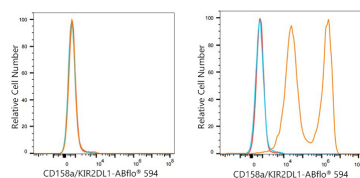
Affinity purification

**Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and 293F (Transfection, right) cells were surface-stained with ABflo® 594 Rabbit anti-Human CD158a/KIR2DL1 mAb (A24816,5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5  $\mu\text{l}/\text{Test}$ , blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  293F (Transfection) cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 594 Rabbit anti-Human CD158a/KIR2DL1 mAb (A24816,5  $\mu\text{l}/\text{Test}$ , right).