

Product Data Sheet

Alexa Fluor® 647 anti-human CD158f (KIR2DL5)

Catalog # / Size: 341306 / 100 tests

Clone: UP-R1

Isotype: Mouse IgG1, κ

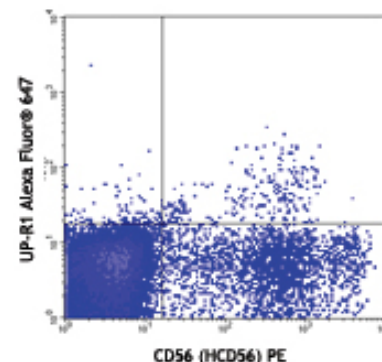
Immunogen: Human KIR2DL5-Ig fusion protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with UP-R1 Alexa Fluor® 647 and CD56 (HCD56) PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application References: 1. Estefania E, *et al.* 2007. *J. Immunol.* 178:4402

Description: CD158 molecules, also known as KIRs (killer cell immunoglobulin-like receptors), are a family of transmembrane proteins with either two (KIR2D) or three (KIR3D) Ig-like extracellular domains. Some KIRs with long cytoplasmic domains contain ITIMs and possess inhibitory functions and others with short cytoplasmic region lack ITIM and have activation functions. 14 polymorphic KIR genes have been reported in humans. CD158f is a 60 kD glycoprotein with 2 Ig-like extracellular domains and long cytoplasmic domains. Its expression is highly polymorphic between individuals and mainly expressed on a subset of NK cells and a small population of T cells. HLA class I alleles are the ligands of CD158f.

Antigen References: 1. Zola H, *et al.* eds. 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers*. Wiley-Liss A John Wiley & Sons Inc, Publication
2. Gonzalez A, *et al.* 2008. *Tissue Antigens*. 72:11

Related Products:

Product
Alexa Fluor® 647 Mouse IgG1, κ Isotype Ctrl (FC)
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC, IF
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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