

PE anti-human CD178 (FasL) Antibody

Catalog# / Size	387903 / 25 tests 387904 / 100 tests
Clone	W19402J
Regulatory Status	RUO
Other Names	Fas Ligand (FasL), CD95L, TNFSF6, Fas-L
Isotype	Rat IgG2b, κ
Description	CD178, also known as Fas ligand and CD95L, is a 38-42 kD type II glycoprotein. CD178 belongs to the TNF superfamily and is expressed on activated T lymphocytes, NK cells, monocytes, and granulocytes. CD178 is also expressed on parenchymal cells of the retina and cornea, retinal pigment epithelial cells, and testis. The extracellular region of FasL can be cleaved by matrix metalloproteinases (MMPs) to give rise to a 26 kD soluble protein. CD178 binds to CD95, a member of the TNFR superfamily, to induce apoptosis. CD95/CD95L interactions play an important role in the maintenance of peripheral tolerance and survival.

Product Details

Isotype Control	PE Rat IgG2b, κ Isotype Ctrl
Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	L5178Y mouse T lymphoma cells expressing recombinant human FasL
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume 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.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3675115 (BioLegend Cat. No. 387903) AB_3675115 (BioLegend Cat. No. 387904)

Antigen Details

Structure	TNF superfamily, type II glycoprotein, 38-42 kD, 26 kD soluble form
Distribution	Activated T cells, NK cells, testis, eye, neutrophils, Clara type II cells

Function	Apoptosis/Cell Death
Interaction	The interaction of Fas Ligand and FasR on an adjacent cell leads to the trimerization and formation of the death-inducing signaling complex (DISC).
Ligand/Receptor	FASR (CD95)
Cell Type	Neutrophils, NK cells, T cells
Biology Area	Apoptosis/Tumor Suppressors/Cell Death, Cell Biology, Immunology, Neuroscience
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Suda T, <i>et al.</i> 1997. <i>J Exp Med.</i> 186:2045-50. 2. Kayagaki N, <i>et al.</i> 1995. <i>J Exp Med.</i> 182:1777-83. 3. Tanaka M, <i>et al.</i> 1995. <i>EMBO J.</i> 14:1129-35.
Gene ID	356

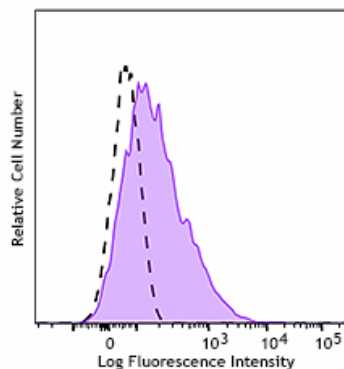
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human CD178 (FasL)

Product Data



Human FAS ligand transfected cells were stained with anti-human CD178 (FasL) (clone W19402J) PE (filled histogram) or rat IgG2b, κ PE isotype control (open histogram).

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