

## Product Information

Contents: Phycoerythrin (PE) anti-mouse CD95 Ligand (Fas Ligand, CD178)

Catalog Number: 12-5911

Sizes: 50 ug, 100 ug, 200 ug

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>

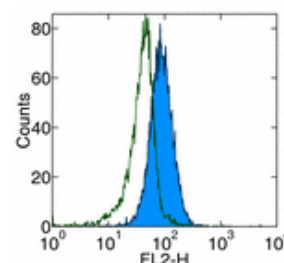
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: MFL3

Isotype: Armenian Hamster IgG



Surface staining of mouse Fas Ligand transfected cells with anti-mouse CD178 (MFL3) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

## Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-5911	PE anti-mouse CD95 Ligand (Fas Ligand, CD178)	488	575	FC
13-5911	Biotin anti-mouse CD95 Ligand (Fas Ligand, CD178)	N/A	N/A	FC
14-5911	Affinity Purified anti-mouse CD95 Ligand (Fas Ligand, CD178)	N/A	N/A	FA FC
16-5911	Functional Grade* Purified anti-mouse CD95 Ligand (Fas Ligand, CD178)	N/A	N/A	FA FC

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.

Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## Description

The MFL3 monoclonal antibody reacts with mouse Fas (CD95) Ligand, a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by mouse activated T cells. The interaction of FasL with its receptor CD95 induces Fas-mediated killing. It has been reported that the human FasL antigen is cleaved from the surface by matrix metalloproteinases (MMPs), resulting in a 26 kDa soluble form. The degree of sensitivity for the mouse antigen to MMPs has not been reported.

## Usage

For research use only, not for diagnostic or therapeutic use. The MFL3 antibody has been reported for use in flow cytometric analysis.

## Applications Tested

The MFL3 antibody has been tested by flow cytometric analysis of mouse FasL transfected cells and activated T cells. This can be used at less than or equal to 1 μg per million cells in a 100 μl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

## Related Products

Cat. 12-4914	Phycoerythrin (PE) Golden Syrian Hamster IgG Isotype Control (clone n/a)
Cat. 13-5911	Biotin anti-mouse CD95 Ligand (Fas Ligand, CD178) (clone MFL3)
Cat. 14-5911	Affinity Purified anti-mouse CD95 Ligand (Fas Ligand, CD178) (clone MFL3)
Cat. 16-5911	Functional Grade Purified anti-mouse CD95 Ligand (Fas Ligand, CD178) (clone MFL3)
Cat. 14-5912	Affinity Purified anti-mouse/rat CD95 Ligand (Fas Ligand, CD178) (clone MFL4)
Cat. 16-5912	Functional Grade Purified anti-mouse/rat CD95 Ligand (Fas Ligand, CD178) (clone MFL4)

## References

Kayagaki, N., N. Yamaguchi, et al. (1997). "Polymorphism of murine Fas ligand that affects the biological activity." Proc Natl Acad Sci U S A 94(8): 3914-9.

Nakajima, A., H. Hirai, et al. (2000). "Treatment of lupus in NZB/W F1 mice with monoclonal antibody against fas ligand." J Autoimmun 14(2): 151-7.

Kayagaki, N., A. Kawasaki, et al. (1995). "Metalloproteinase-mediated release of human Fas ligand." J Exp Med 182(6): 1777-83.

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