

Product Information

Contents: Functional Grade Purified anti-mouse CD95 Ligand (Fas Ligand, CD178)

Catalog Number: 16-5911

Sizes: 50 ug, 100 ug, 500 ug

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, No NaN₃

Storage Conditions: Store at 4°C.

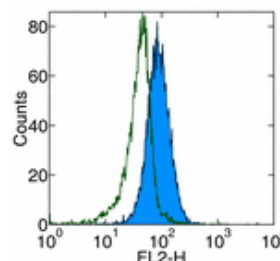
Avoid repeated freeze/thaw cycles.

KEEP CONTENT STERILE.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

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. MFL3 has been reported for use in flow cytometric analysis. It has also been reported in blocking of the FasL mediated killing in functional assays.

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 0.5 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. 11-4111	FITC Anti-Armenian Hamster IgG
Cat. 13-4113	Biotin Anti-Armenian Hamster IgG (clone Polyclonal)
Cat. 11-4317	Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317	Streptavidin-PE (Phycoerythrin)
Cat. 17-4317	Streptavidin Allophycocyanin (SA-APC)
Cat. 16-4444	Functional Grade Purified Armenian Hamster IgG Isotype Control (clone n/a)
Cat. 12-5911	PE anti-mouse CD95 Ligand (Fas Ligand, CD178) (clone MFL3)
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. 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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