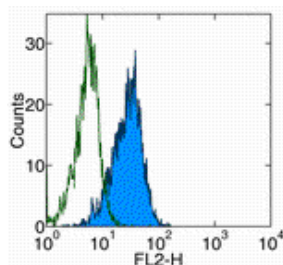


Anti-Mouse/Rat CD178 (Fas Ligand) Purified

Catalog Number: 14-5912

Also Known As: FasL, CD95L, CD95 Ligand

RUO: For Research Use Only. Not for use in diagnostic procedures.



Surface staining of mouse Fas Ligand-transfected cells with Anti-Mouse/Rat CD178 (Fas Ligand) Purified followed by Anti-Armenian Hamster IgG Biotin (cat. 13-4113) and Streptavidin PE (cat. 12-4317). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse/Rat CD178 (Fas Ligand) Purified

REF **Catalog Number:** 14-5912

Clone: MFL4

Concentration: 0.2 mg/mL

Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The MFL4 monoclonal antibody reacts with mouse and rat Fas Ligand (CD178), a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by 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 and rat antigens to MMPs has not been reported. MFL4 has been reported in the literature to cross-react with the rat FasL antigen.

Applications Reported

The MFL4 antibody has been reported for use in flow cytometric analysis. MFL4 has also been reported in blocking of FasL mediated killing in functional assays. (Please use Functional Grade purified MFL4, cat. 16-5912, in functional assays.)

Applications Tested

The MFL4 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 test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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.
- Trinite, B., C. Voisine, et al. 2000. A subset of cytolytic dendritic cells in rat. *J. Immunol.* 165(8): 4202-8

Related Products

11-4111 Anti-Armenian Hamster IgG FITC