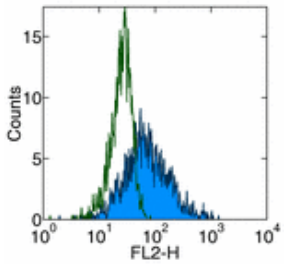
eBioscience
the new standard of excellence™

Tel: 888.999.1371 or 858.642.2058
Fax: 858.642.2046
Web: www.ebioscience.com
E-mail: info@ebioscience.com

Product Information

Contents: Affinity Purified anti-human CD95 Ligand (Fas Ligand, CD178)
Catalog Number: 14-9919
Sizes: 25 ug, 100 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3
Storage Conditions: Store at 4°C. Avoid repeated freeze/thaw cycles.
Clone: NOK-1
Isotype: Mouse IgG1, κ
HLDA No.: N/A



Surface staining of human FasL tranfected cells with anti-human CD178 (NOK-1) 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
12-9919	PE anti-human CD95 Ligand (Fas Ligand, CD178)	488	575	FC
13-9919	Biotin anti-human CD95 Ligand (Fas Ligand, CD178)	N/A	N/A	FC
14-9919	Affinity Purified anti-human CD95 Ligand (Fas Ligand, CD178)	N/A	N/A	FA FC IP
16-9919	Functional Grade* Purified anti-human 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 NOK-1 monoclonal antibody reacts with human Fas (CD95) Ligand, a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by neutrophils, monocytes, and activated T cells and NK cells. The interaction of FasL with its receptor (CD95, Fas) induces Fas-mediated killing of lymphocytes. Human FasL is cleaved from the surface by matrix metalloproteinases (MMPs), resulting in a 26 kDa soluble form. Therefore for optimal detection of surface FasL on activated peripheral blood cells, incubation of cells with an MMP inhibitor is recommended.

Usage

For research use only, not for diagnostic or therapeutic use. NOK-1 has been reported for use in flow cytometric analysis, and immunoprecipitation. NOK-1 has also been reported in blocking of FasL mediated killing in functional assays. (Please use Functional Grade purified NOK-1, cat. 16-9919, in functional assays.)

Applications Tested

The NOK-1 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per 100 µl blood (or per 1 million cells in 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. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control
Cat. 12-9919 PE anti-human CD95 Ligand (Fas Ligand, CD178) (clone NOK-1)
Cat. 13-9919 Biotin anti-human CD95 Ligand (Fas Ligand, CD178) (clone NOK-1)

References

Suda, T., H. Hashimoto, et al. (1997). "Membrane Fas ligand kills human peripheral blood T lymphocytes, and soluble Fas ligand blocks the killing." J Exp Med 186(12): 2045-50.

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

Tanaka, M., T. Suda, et al. (1995). "Expression of the functional soluble form of human fas ligand in activated lymphocytes." Embo J 14(6): 1129-35.