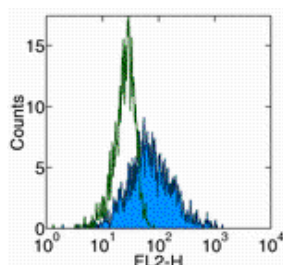


Anti-Human CD178 (CD95 Ligand) PE

Catalog Number: 12-9919

Also Known As: Fas ligand, FasL

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



Surface staining of human FasL transfected cells with Anti-Human CD178 (CD95 Ligand) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD178 (CD95 Ligand) PE

REF **Catalog Number:** 12-9919

Clone: NOK-1

Concentration: 5 uL (0.25 ug)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: N/A

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

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

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.

Applications Reported

NOK-1 has been reported for use in flow cytometric analysis.

Applications Tested

This NOK-1 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µL (0.25 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.

References

Suda T, Hashimoto H, Tanaka M, Ochi T, Nagata S. Membrane Fas ligand kills human peripheral blood T lymphocytes, and soluble Fas ligand blocks the killing. *J Exp Med.* 1997 Dec 15;186(12):2045-50.

Kayagaki N, Kawasaki A, Ebata T, Ohmoto H, Ikeda S, Inoue S, Yoshino K, Okumura K, Yagita H. Metalloproteinase-mediated release of human Fas ligand. *J Exp Med.* 1995 Dec 1;182(6):1777-83.

Tanaka M, Suda T, Takahashi T, Nagata S. Expression of the functional soluble form of human fas ligand in activated lymphocytes. *EMBO J.* 1995 Mar 15;14(6):1129-35.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)