Anti-Human CD178 (CD95 Ligand) Purified

Catalog Number: 14-9919
Also known as: Fas ligand, FasL
RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human CD178 (CD95 Ligand) Purified
REF **Catalog Number:** 14-9919
Clone: NOK-1
Concentration: 0.5 mg/mL
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.
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, 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 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

11-4011 Anti-Mouse IgG FITC
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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