

TECHNICAL DATA SHEET

PE Anti-Human CD178 (Fas ligand) (NOK-1)

Catalog Number: 50-9919

PRODUCT INFORMATION

Contents: PE Anti-Human CD178 (Fas ligand) (NOK-1)

Isotype: Mouse IgG1, kappa

Concentration: 5 µL (0.5 µg)/test

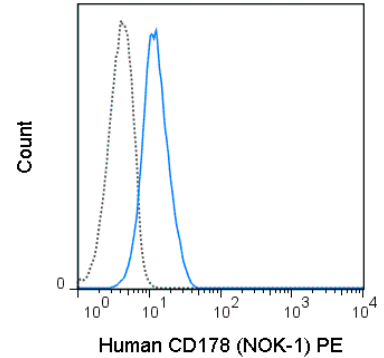
Clone: NOK-1

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



Human CD178 (Fas ligand) transfected cells were stained with 5 µL (0.5 µg) PE Anti-Human CD178 (50-9919) (solid line) or 0.5 µg PE Mouse IgG1 isotype control (dashed line).

DESCRIPTION

The NOK-1 antibody reacts with human CD178 (Fas ligand) in both membrane bound and soluble forms. Fas ligand is a 40 kDa transmembrane glycoprotein, a member of the TNF family, and is expressed by activated T and NK cells, neutrophils, and monocytes. Interactions between CD178 (Fas ligand) and CD95 (Fas) induce a program of apoptosis and play a key role in immune regulation and homeostasis. The extracellular domain of human CD178 can be cleaved from the surface by matrix metalloproteinases (MMPs) resulting in a 26 kDa soluble protein.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10⁵ to 1x10⁸ cells.

REFERENCES

Tanaka M, Suda T, Takahashi T, and Nagata S. 1995. EMBO J. 14(6): 1129-1135.
 Kayagaki N, Kawasaki A, Ebata T, Ohmoto H, Ikeda S, Inoue S, Yoshino K, Okumura K, and Yagita H. 1995. J Exp Med. 182(6): 1777-1783.
 Suda T, Hashimoto H, Tanaka M, Ochi T, Nagata S. 1997. J Exp Med. 186(12): 2045-2050.
 Ehrenschwender M, Wajant H. 2009. Adv Exp Med Biol. 647: 64-93.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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