

TECHNICAL DATA SHEET

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

Catalog Number: 30-9919

PRODUCT INFORMATION

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

Isotype: Mouse IgG1, kappa

Concentration: 0.5 mg/mL

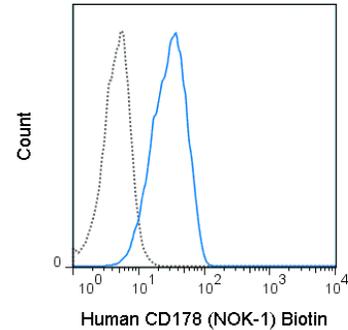
Clone: NOK-1

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, pH7.2



Human CD178 (Fas ligand) transfected cells were stained with 0.25 ug Biotin Anti-Human CD178 (30-9919) (solid line) or 0.25 ug Biotin Mouse IgG1 isotype control (dashed line), followed by Streptavidin PE.

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 biotin 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 quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

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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