

TECHNICAL DATA SHEET

In Vivo Ready™ Anti-Human CD178 (Fas ligand) (NOK-1)

Catalog Number: 40-9919

PRODUCT INFORMATION

Contents: In Vivo Ready™ Anti-Human CD178

Isotype: Mouse IgG1, kappa

Concentration: 2.0 mg/mL

Clone: NOK-1

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C

Endotoxin Level: Less than or equal to 0.01 EU/ug, as determined by the LaL assay

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, pH7.2

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 preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using an appropriate cell type. The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system. Tonbo Biosciences tests all of our antibodies by flow cytometry. Citations may be provided as a resource for additional applications that have not been validated by Tonbo Biosciences.

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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