

TECHNICAL DATA SHEET

Purified Anti-Human CD154 (CD40L) (5C8)

Catalog Number: 70-1547

PRODUCT INFORMATION

Contents: Purified Anti-Human CD154 (CD40L) (5C8)

Isotype: Mouse IgG2a, kappa

Concentration: 0.5 mg/mL

Clone: 5C8

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C

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

DESCRIPTION

The 5C8 antibody reacts with human CD154 which is also known as CD40L (CD40 ligand). CD154 is a 39kDa member of the TNF superfamily and is predominantly expressed on activated T cells but is also expressed on NK cells, mast cells, basophils, and eosinophils. CD154 binds to CD40, a molecule that is expressed on antigen presenting cells including B cells, monocytes/macrophages, and dendritic cells. The interaction of CD154 and CD40 regulates the activation of antigen presenting cells and is critical for B cell costimulation. The 5C8 antibody has been reported to block CD40L-CD40 interactions.

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

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 - please consult Materials and Methods sections for additional details about the use of any product in these publications.

REFERENCES

Lederman S, Yellin MJ, Krichevsky A, Belko J, Lee JJ, Chess L. 1992. J Exp Med. 175(4):1091-1101. Lederman S, Yellin MJ, Inghirami G, Lee JJ, Knowles DM, Chess L. 1992. J Immunol. 149(12):3817-3826. Nishioka Y, Lipsky PE. 1994. J Immunol. 153(3):1027-1036. Nadazdin, O., et al. 2011. J Immunol. 187(9): 4589-4597.

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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