

TECHNICAL DATA SHEET

In Vivo Ready™ Anti-Mouse CD2 (RM2-5)

Catalog Number: 40-0021

PRODUCT INFORMATION

Contents: In Vivo Ready™ Anti-Mouse CD2

Isotype: Rat IgG2b, lambda

Concentration: 2.0 mg/mL

Clone: RM2-5

Reactivity: Mouse

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 RM2-5 antibody reacts with mouse CD2, an approximately 50 kDa glycoprotein, and a member of the Ig superfamily. CD2, also known as LFA-2, is a receptor for CD48 in the mouse and is expressed on the cell surface of all lymphocytes. CD2 mediates cell to cell adhesion and is involved in T cell activation.

RM2-5 is reported to block CD2-mediated cell:cell adhesion.

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 purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. 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

Yagita H, Nakamura T, Karasuyama H, Okumura K. 1989. Proc. Natl. Acad. Sci. 86(2):645-9. Nakamura T, Takahashi K, Fukazawa T, Koyanagi M, Yokoyama A, Kato H, Yagita H, Okumura K. 1990. J. Immunol. 145(11):3628-34. Criado G, Feito MJ, Rojo JM. 1996. Eur. J. Immunol. 26(6):1228-34. Cibotti R, Punt JA, Dash KS, Sharrow SO, Singer A. 1997. Immunity. 6(3):245-55.

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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