

TECHNICAL DATA SHEET

Purified Anti-Mouse CD49b (HMa2)

Catalog Number: 70-0491

PRODUCT INFORMATION**Contents:** Purified Anti-Mouse CD49b (HMa2)**Isotype:** Armenian Hamster IgG**Concentration:** 0.5 mg/mL**Clone:** HMa2**Reactivity:** Mouse**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 HMa2 antibody reacts with mouse CD49b, a 150 kDa glycoprotein member of the integrin family. CD49b, also known as integrin alpha2, associates non-covalently with CD29 (integrin beta1) to form the VLA-2 heterodimer. VLA-2 integrins function as cellular receptors for collagen and laminin. CD49b is expressed by platelets, intestinal epithelial cells, NK cells, epithelial cells, and a subset of CD4+ T cells. CD49b plays an essential role in mediating the adhesion of cells to the extracellular matrix.

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

Miyake S, Sakurai T, Okumura K, Yagita H. 1994. Eur J Immunol. Sep 24;24(9):2000-22005. Noto K, Kato K, Okumura K, Yagita H. 1995. Int Immunol. May;7(5):835-842. Arase H, Saito T, Phillips JH, Lanier LL. 2001. J Immunol. Aug 1;167(3):1141-1144. Zhang Z, Ramirez NE, Yankeelov TE, Li Z, Ford LE, Qi Y, Pozzi A, Zutter MM. 2008. Blood. 111:1980-1988.

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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