

TECHNICAL DATA SHEET

PE Anti-Mouse CD272 (BTLA) (6A6)

Catalog Number: 50-5954

PRODUCT INFORMATION

Contents: PE Anti-Mouse CD272 (BTLA) (6A6)

Isotype: Armenian Hamster IgG

Concentration: 0.2 mg/mL

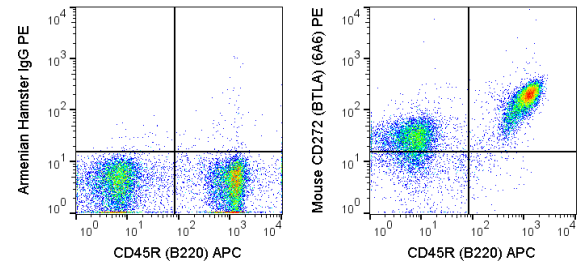
Clone: 6A6

Reactivity: Mouse

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,
0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stained with APC Anti-Mouse CD45R (20-0452) and 0.25 ug PE Anti-Mouse CD272 (50-5954) (right panel) or 0.25 ug PE Armenian Hamster IgG (left panel).

DESCRIPTION

The 6A6 antibody reacts with mouse CD272, a type 1 transmembrane glycoprotein and member of the Ig superfamily. CD272, also known as BTLA (B and T Lymphocyte Attenuator), is expressed on peripheral lymphocytes as well as developing B and T cells, macrophages, and dendritic cells. CD272 is a receptor for CD270 (HVEM) and is structurally similar to CD152 (CTLA-4) and CD279 (PD-1) and functions as a negative regulator of B and T cell responses.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye 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

Watanabe N, Gavrieli M, Sedy JR, Yang J, Fallarino F, Loftin SK, Hurchla MA, Zimmerman N, Sim J, Zang X, Murphy TL, Russell JH, Allison JP, Murphy KM. 2003. *Nat Immunol.* Jul;4(7):670-9. Han P, Goularte OD, Rufner K, Wilkinson B, Kaye J. 2004. *J Immunol.* 2004 May 15;172(10):5931-9. Sedy JR, Gavrieli M, Potter KG, et al. 2005. *Nat Immunol.* 6(1):90-98.

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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