

TECHNICAL DATA SHEET

violetFluor™ 450 Anti-Mouse CD90.2 (30-H12)

Catalog Number: 75-0903

PRODUCT INFORMATION

Contents: violetFluor™ 450 Anti-Mouse CD90.2 (30-H12)

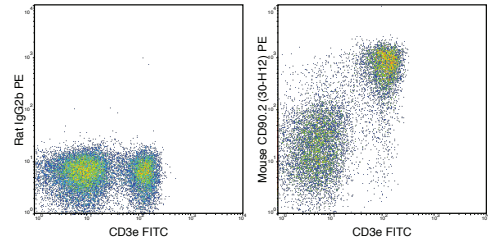
Isotype: Rat IgG2b

Concentration: 0.2 mg/mL

Clone: 30-H12

Reactivity: Mouse

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% Na₃N, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stained with FITC Anti-Mouse CD3e (35-0031) and 0.25 ug violetFluor™ 450 Anti-Mouse CD90.2 (75-0903) (right panel) or 0.25 ug violetFluor™ 450 Rat IgG2b isotype control (left panel).

DESCRIPTION

The 30-H12 antibody reacts with mouse CD90.2 (Thy1.2). CD90.2 is a strain-specific allelic form of the GPI-linked membrane associated protein CD90 and is involved in adhesion and signal transduction. CD90.2 is expressed on thymocytes, mature T cells and neurons in mouse strains that express the CD90.2 allele (BALB/c, CBA, C3H, C57BL/6, SJL and others). 30-H12 does not react with the CD90.1 allele expressed in mouse strains such as PL and AKR.

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). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

violetFluor™ 450 dye is excited by the violet (405 nm) laser and has a peak emission of 450 nm. The most common band pass filters for this dye are 440/40 or 450/50. violetFluor™ 450 can be used as an alternative for Pacific Blue®, BD Horizon™ V450 or eFluor® 450.

REFERENCES

Ledbetter JA and Herzenberg LA. 1979. Immunol. Rev. 47:63-90. Borrello MA and Phipps RP. 1996. Cell Immunol. 173:198-206. (flow cytometry) Seaman WE, Wofsy D, Greenspan JS, and Ledbetter JA. 1983. J. Immunol. 130: 1713-8. (depletion)

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.

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