

TECHNICAL DATA SHEET

violetFluor™ 450 Anti-Human HLA-DR (LN3)

Catalog Number: 75-9956

PRODUCT INFORMATION

Contents: violetFluor™ 450 Anti-Human HLA-DR (LN3)

Isotype: Mouse IgG2b, kappa

Concentration: 5ul (0.5ug)/test

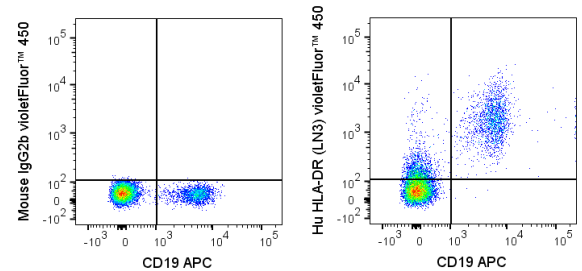
Clone: LN3

Reactivity: Human

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



Human peripheral blood lymphocytes were stained with APC Anti-Human CD19 (20-0199) and 5 uL (0.5 ug) violetFluor™ 450 Anti-Human HLA-DR (75-9956) (right panel) or 0.5 ug violetFluor™ 450 Mouse IgG2b isotype control (left panel).

DESCRIPTION

The LN3 antibody reacts with a member of the human MHC Class II antigens, HLA-DR. The HLA-DR antigen is expressed on human antigen presenting cells including B lymphocytes, monocytes, macrophages, dendritic cells, and activated T lymphocytes. HLA-DR is a dimeric protein composed of alpha and beta subunits and is involved in the presentation of peptide antigens to CD4+ T cells.

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 pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 uL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

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

Eckert F, Schmid U. 1989. Arch Dermatol. 125(11):1518-1524. Swanson PE, Wick MR. 1990. Mod Pathol. 3(2):113-119. Shin SS, Sheibani K, Kezirian J, Nademanee A, Forman SJ, Lee SK, Winberg CD. 1992. Hum Pathol. 23(6):686-694. Sugita S, Iwasaki Y, Makabe K, Kimura T, Futagami T, Suegami S, Takahashi M. 2016. Stem Cell Reports. 11;7(4):619-634.

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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