
Anti-Human HLA-BC Functional Grade Purified

Catalog Number: 16-5935

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human HLA-BC Functional Grade Purified
Catalog Number: 16-5935
Clone: B1.23.2
Concentration: 1 mg/mL
Host/Isotype: Mouse IgG2b, kappa
Endotoxin: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

REF



Formulation: aqueous buffer, no sodium azide
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This B1.23.2 monoclonal antibody recognizes the human Human Leukocyte Antigens (HLA) B and C. Along with HLA-A, these proteins correspond to MHC Class I in humans. HLA-B and HLA-C are expressed on nearly all cell types and heterodimerize with beta-2 microglobulin at the cell surface. These molecular complexes play a critical role in the presentation of endoplasmic reticulum-derived peptides to immune cells. The antibody has been shown to inhibit binding of KIR2DL1 and LIR1.

Applications Reported

This B1.23.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This B1.23.2 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Achdout H, Manaster I, Mandelboim O. Influenza virus infection augments NK cell inhibition through reorganization of major histocompatibility complex class I proteins. J Virol. 2008 Aug;82(16):8030-7. (B1.23.2, FA)

Srivastava R, Ducean BW, Biro PA, Sood AK, Weissman SM. Molecular organization of the class I genes of human major histocompatibility complex. Immunol Rev. 1985 Jul;84:93-121. Review.

Rebaï N, Malissen B. Structural and genetic analyses of HLA class I molecules using monoclonal xenoantibodies. Tissue Antigens. 1983 Aug;22(2):107-17.

Related Products

16-4732 Mouse IgG2b K Isotype Control Functional Grade Purified

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info@ebioscience.com