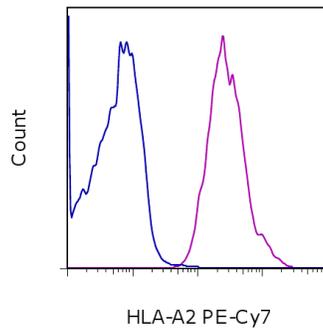


Anti-Human HLA-A2 PE-Cyanine7

Catalog Number: 25-9876

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



Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control PE-Cyanine7 (cat. 25-4732) (blue histogram) or Anti-Human HLA-A2 PE-Cyanine7 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human HLA-A2 PE-Cyanine7

Catalog Number: 25-9876

Clone: BB7.2

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG2b, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



Batch Code: Refer to vial



Use By: Refer to vial

Contains sodium azide

Description

This BB7.2 monoclonal antibody recognizes the human major histocompatibility complex (MHC) class I molecule HLA-A2, which is a member of the HLA-A family. MHC class I exists as a single alpha chain composed of three domains. This molecule associates with beta 2-microglobulin and is expressed on all nucleated cells.

The BB7.2 monoclonal antibody has been reported to exhibit blocking activity, as well as recognize HLA-A28.

Applications Reported

This BB7.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This BB7.2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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MHC class I requires AP-1 and clathrin but not PACS-1 and is impeded by AP-2. Mol Biol Cell. 2007 Sep;18(9):3351-65. (**BB7.2**, FC)

Kasper MR, Roeth JF, Williams M, Filzen TM, Fleis RI, Collins KL. HIV-1 Nef disrupts antigen presentation early in the secretory pathway. J Biol Chem. 2005 Apr 1;280(13):12840-8. (**BB7.2**, IP)

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Related Products

25-4732 Mouse IgG2b K Isotype Control PE-Cyanine7

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