

HLA-A2 Monoclonal Antibody (BB7.2), APC-eFluor™ 780, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BB7.2
Conjugate	APC-eFluor™ 780
Excitation/Emission Max	756/785 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2784719

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	-

Product Specific Information

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-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.25 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.

APC-eFluor 780 emits at 780 nm and is excited with the Red laser (633-647 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

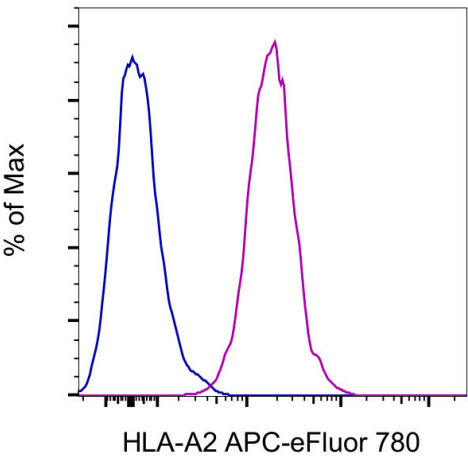
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) 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.

Excitation: 633-647 nm; Emission: 780 nm; Laser: Red Laser

Product Images For HLA-A2 Monoclonal Antibody (BB7.2), APC-eFluor™ 780, eBioscience™



HLA-A2 Antibody (47-9876-42) in Flow
Normal human peripheral blood cells were stained with Mouse IgG2b kappa Isotype Control, APC-eFluor 780 (Product # 47-4732-80) (blue histogram) or HLA-A2 Monoclonal Antibody, APC-eFluor 780 (purple histogram). Cells in the lymphocyte gate were used for analysis.

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