

Brilliant Violet 650™ anti-human HLA-A2

Catalog # / Size: 2316615 / 25 tests
2316620 / 100 tests

Clone: BB7.2

Isotype: Mouse IgG2b, κ

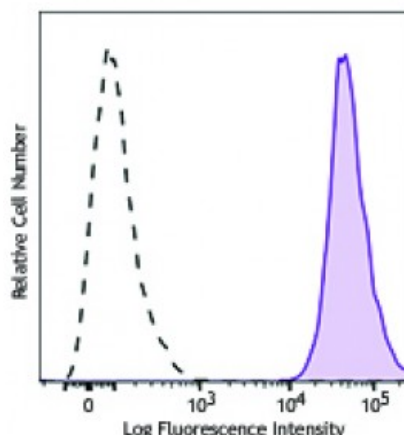
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 785™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 785™ and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: V B-CD73.3

Concentration: Lot-specific

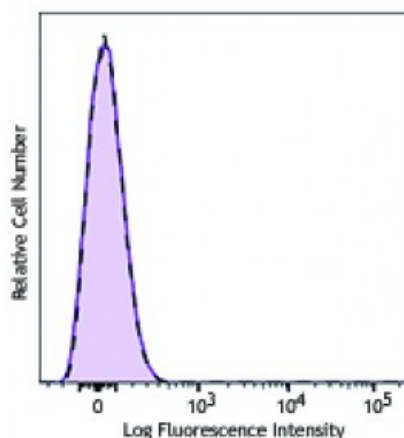


Peripheral blood lymphocytes from HLA-A2 positive (top) and HLA-A2 negative (bottom) donors were stained with anti-human HLA-A2 (clone BB7.2) Brilliant Violet 650™ (filled histograms) or mouse IgG2b, κ Brilliant Violet 650™ isotype contr

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Brilliant Violet 650™ excites at 405 nm and emits at 645 nm. The bandpass filter 660/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 650™ is a trademark of Sirigen Group Ltd.

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purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.

Application Notes: The BB7.2 antibody recognizes human leukocyte antigen (HLA) A2 which is a subset of MHC-class I molecules encoded by A*02 alleles.

Additional reported applications (for the relevant formats) include:
immunoprecipitation³.

Application References:

1. Nakamura T, *et al.* 1993. *J. Immunol.* 151:6933.
2. Liao J, *et al.* 2011. *J Endod.* 37:1217. [PubMed](#)
3. Touboul C, *et al.* 2013. *J. Transl. Med.* 11:28. (IF)

Description: HLA-A2 is most common in Northern Asia and North America populations. MHC class I antigens associated with β 2-microglobulin are expressed by all human nucleated cells. MHC class I molecules are involved in presentation of antigens to CD8⁺ T cells, playing an important role in cell-mediated immune responses and tumor surveillance.

Antigen References:

1. Zola H, *et al.* 2007. *Leukocyte and stromal Cell Molecules:the CD Markers*. A John Wiley & Sons Inc, Publication.
2. Airas L and Jalkanen S, *et al.* 1996. *Blood* 88:1755.
3. Gutensohn W, *et al.*