SONY

Product Data Sheet

APC anti-human HLA-A2

Catalog # / Size: 2316540 / 100 tests
2316535 / 25 tests

Clone: BB7.2

Isotype: Mouse IgG2b, κ

Immunogen: Papain solubilized HLA-A2

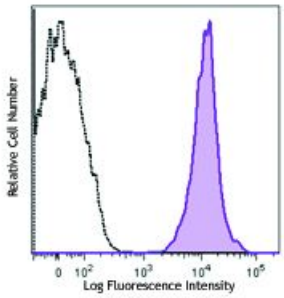
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.

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

Workshop Number: IV T-164

Concentration: Lot-specific

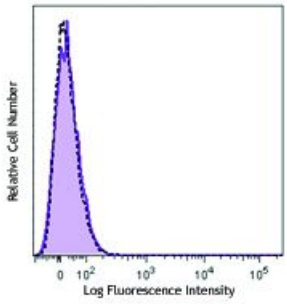


Peripheral blood lymphocytes from HLA-A2 positive (top) and HLA-A2 negative (bottom) donors were stained with anti-human HLA-A2 (clone BB7.2) APC (filled histograms) or mouse IgG2b APC isotype control (open histograms).

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 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



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. Brodsky FM, *et al.* 1979. *Immunol. Rev.* 47:3.
2. Parham P and Brodsky FM. *et al.* 1981. *Hum. Immunol.* 3:277.
3. Lubben NB, *et al.* 2007. *Mol Biol Cell.* 18:3351. (IP)

Description: HLA-A2 is most common in Northern Asia and North America populations. MHC class I antigens associated with β2-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.

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Antigen References:

1. Neil Barclay A, *et al.* 1997. *The Leucocyte Antigen Facts Book:Second Edition.* Page 238
2. Killeen A, *et al.* 1987. *EMBO J.* 6:4029.
3. Thurman EC, *et al.* 1998. *Intl. Immunol.* 10:691.
4. Onami TM, *et al.* 2002. *J. Immunol.* 168:6022.
5. Tong J, *et al.* 2004. *J. Exp. Med.* 199:1277.
6. Jones AT, *et al.* 1994. *J. Immunol.* 153:3426.

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