

PerCP/Cy5.5 anti-human HLA-A2

Catalog # / Size: 2316575 / 25 tests
2316580 / 100 tests

Clone: BB7.2

Isotype: Mouse IgG2b, κ

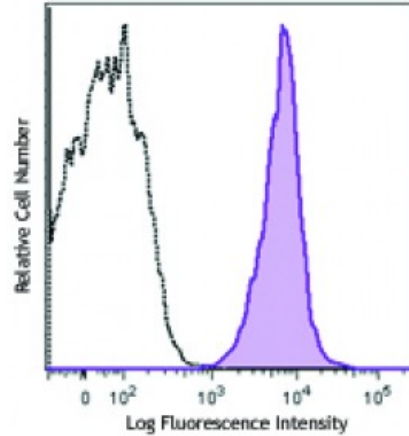
Immunogen: Papain solubilized HLA-A2

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific

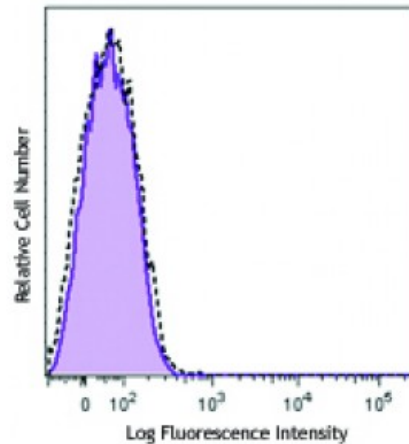


Peripheral blood lymphocytes from HLA-A2 positive (top) and HLA-A2 negative (bottom) donors were stained with anti-human HLA-A2 (clone BB7.2) PerCP/Cy5.5 (filled histograms) or mouse IgG2b PerCP/Cy5.5 isotype control (open histograms).

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 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.



* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

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 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.