

**PerCP/Cy5.5 anti-human HLA-A2**

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

**Clone:** BB7.2

**Isotype:** Mouse IgG2b, κ

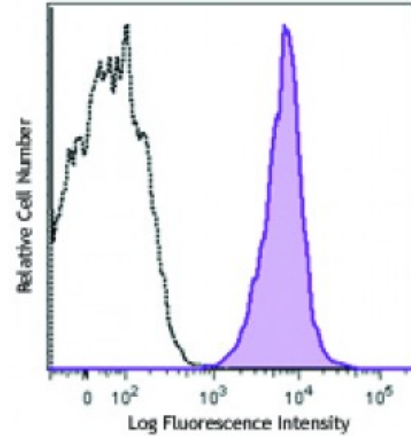
**Immunogen:** Papain solubilized HLA-A2

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with 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

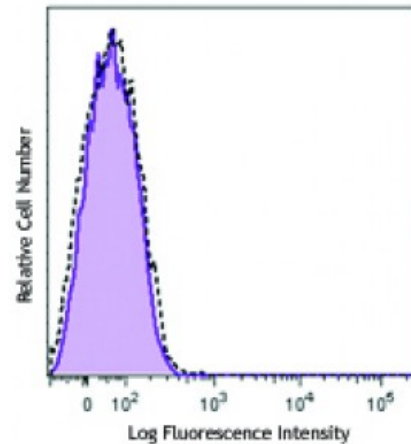


Peripheral blood lymphocytes from HLA-A2 positive (top) and HLA-A2 negative (bottom) donors were stained with anti-human HLA-A2 (clone BB7.2) PerCP/Cy5.5 (filled histograms) or mouse IgG2b PerCP/Cy5.5 isotype control (open histograms).

**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:  
immunoprecipitation<sup>3</sup>.

- 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  $\beta$ 2-microglobulin are expressed by all human nucleated cells. MHC class I molecules are involved in presentation of antigens to CD8<sup>+</sup> T cells, playing an important role in cell-mediated immune responses and tumor surveillance.