

**PE anti-human HLA-A2**

**Catalog # / Size:** 2316525 / 25 tests  
2316530 / 100 tests

**Clone:** BB7.2

**Isotype:** Mouse IgG2b,  $\kappa$

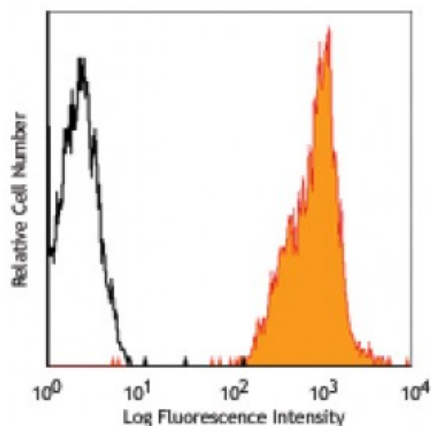
**Immunogen:** Papain solubilized HLA-A2

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE 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



HLA-A2 positive (top) and HLA-A2 negative (bottom) donors peripheral blood lymphocytes stained with BB7.2 PE.

**Applications:**

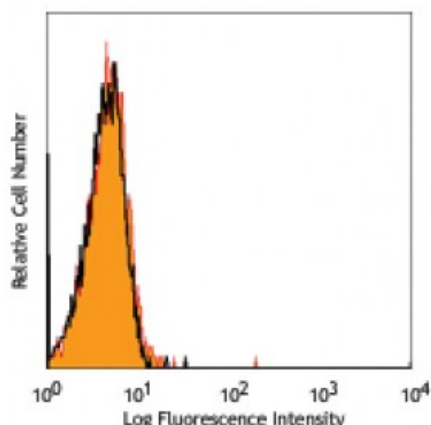
**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL 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:  
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.