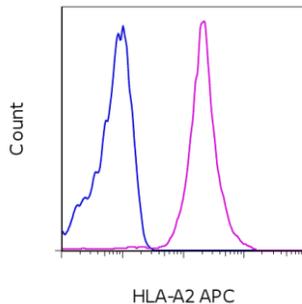


## Anti-Human HLA-A2 APC

**Catalog Number:** 17-9876

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control APC (cat. 17-4732) (blue histogram) or Anti-Human HLA-A2 APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human HLA-A2 APC  
**Catalog Number:** 17-9876  
**Clone:** BB7.2  
**Concentration:** 5 uL (0.5 ug)/test  
**Host/Isotype:** Mouse IgG2b



**LOT**



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**

### Description

This BB7.2 monoclonal antibody recognizes the human major histocompatibility complex (MHC) class I molecule HLA-A2, which is a member of the HLA-A family. MHC class I exists as a single alpha chain composed of three domains. This molecule associates with beta 2-microglobulin and is expressed on all nucleated cells.

The BB7.2 monoclonal antibody has been reported to exhibit blocking activity, as well as recognize HLA-A28.

### Applications Reported

This BB7.2 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This BB7.2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 uL (0.5 ug) per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### References

Lubben NB, Sahlender DA, Motley AM, Lehner PJ, Benaroch P, Robinson MS. HIV-1 Nef-induced down-regulation of MHC class I requires AP-1 and clathrin but not PACS-1 and is impeded by AP-2. *Mol Biol Cell.* 2007 Sep;18(9):3351-65. (**BB7.2**, FC)

Kasper MR, Roeth JF, Williams M, Filzen TM, Fleis RI, Collins KL. HIV-1 Nef disrupts antigen presentation early in the secretory pathway. *J Biol Chem.* 2005 Apr 1;280(13):12840-8. (**BB7.2**, IP)

Brossart P, Heinrich KS, Stuhler G, Behnke L, Reichardt VL, Stevanovic S, Muhm A, Rammensee HG, Kanz L, Brügger W. Identification of HLA-A2-restricted T-cell epitopes derived from the MUC1 tumor antigen for broadly applicable vaccine therapies. *Blood.* 1999 Jun 15;93(12):4309-17. (**BB7.2**, FA)

Parham P, Brodsky FM. Partial purification and some properties of BB7.2. A cytotoxic monoclonal antibody with

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specificity for HLA-A2 and a variant of HLA-A28. Hum Immunol. 1981 Dec;3(4):277-99. (**BB7.2**, FA)

### Related Products

00-4222 Flow Cytometry Staining Buffer  
11-9881 Anti-Human HLA-DQ FITC (SK10)  
11-9983 Anti-Human HLA-ABC FITC (W6/32)  
12-5935 Anti-Human HLA-BC PE (B1.23.2)  
17-4732 Mouse IgG2b K Isotype Control APC

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