

A Reliable Research Partner in Life Science and Medicine

# PE Anti-Human HLA-A2,B7 Antibody[BB7.6]

Catalog Number: AN00634D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Human

Host Mouse

Isotype Mouse IgG1

Clone No. BB7.6

Isotype Control PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]

Conjugation PE

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

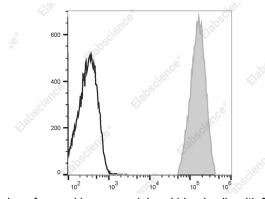
## Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



Staining of normal human peripheral blood cells with PE Anti-Human HLA-A2,B7 Antibody[BB7.6] (filled gray histogram) or PE Mouse IgG1,  $\kappa$  Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

## **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

# **Antigen Information**

Alternate Names MHC-class I;HLA-B\*07;HLA Class I histocompatibility antigen B alpha chain

Uniprot ID P04439

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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Gene ID Background 3105

HLA-A2 is most common in Northern Asia and North America populations. MHC class I antigens associated with  $\beta2$ -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. HLA-B belongs to the HLA class I heavy chain paralogues. HLA-B7 is a serotype of HL A-B and one of the common HLA types. MHC class I heavy chains associate with  $\beta2$ -microglobulin and are expressed on nearly all nucleated cells. MHC class I molecules are involved in the presentation of of antigens to CD8+ T cells and thereby play an important role in cell-mediated immune responses and immune surveillance.