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

Catalog Number: AN00634C

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

Description

Reactivity Human Mouse Host Mouse IgG1 Isotype Clone No. **BB7.6**

FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C] Isotype Control

Conjugation

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

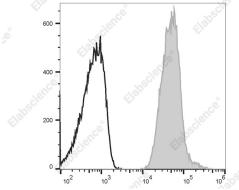
Applications Recommended usage

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

> of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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 FITC Anti-Human HLA-A2,B7 Antibody[BB7.6] (filled gray histogram) or FITC Mouse IgG1, κ 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 Gene ID 3105

For Research Use Only

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com

Web:www.elabscience.com

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Background

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.