

PE Rabbit anti-Human HLA-B (MITD Specific) mAb

Catalog No.: A28687

Basic Information

Observed MW**Calculated MW**

40kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC78367

Conjugate

PE. Ex:565nm. Em:574nm.

Background

The human leukocyte antigen (HLA) system is a gene complex encoding the major histocompatibility complex (MHC) proteins in humans. These cell-surface proteins are responsible for the regulation of antigen-specific immune responses in humans. HLA genes are highly polymorphic, which enables them to fine-tune the adaptive immune response. The class I HLA molecules (HLA-A, -B, and -C) present small peptide antigens, approximately 8 to 10 amino acids in length, originating from inside the cell to CD8+ cytotoxic T lymphocytes, thereby activating a cytotoxic T-cell response. The class II HLA molecules (HLA-DP, -DM, -DO, -DQ, and -DR) present antigens derived from outside the cell, approximately 15 to 24 residues in length, to CD4+ helper T cells. These helper T cells subsequently secrete cytokines and stimulate B cells to produce antibodies specific to that antigen. The class III HLA region encodes components of the complement system.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in
 100 µl volume

Immunogen Information

Gene ID

3106

Swiss Prot

P01889

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

AS; HLAB; B-4901

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

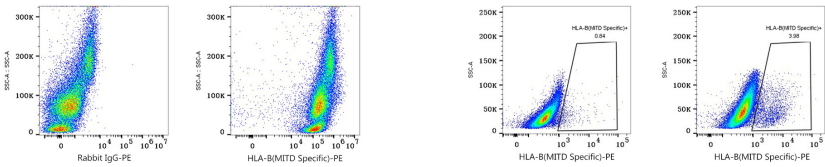
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ Human PBMC were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human HLA-B(MITD Specific) mAb (A28687,5 µl/Test,right).

Flow cytometry: 1X10⁶ knockout (KO) 293T cells (negative control,left) and 293T cells (right) were intracellularly-stained with PE Rabbit anti-Human HLA-B(MITD Specific) mAb (A28687,5 µl/Test).