

# APC Rabbit anti-Human HLA-B (MITD Specific) mAb

**Catalog No.: A28686**

## Basic Information

**Observed MW****Calculated MW**

40kDa

**Category**

Primary antibody

**Applications**

FC (intra)

**Cross-Reactivity**

Human

**CloneNo number**

ARC78367

**Conjugate**

APC. Ex:650nm. Em:660nm.

## 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 10<sup>6</sup> 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**

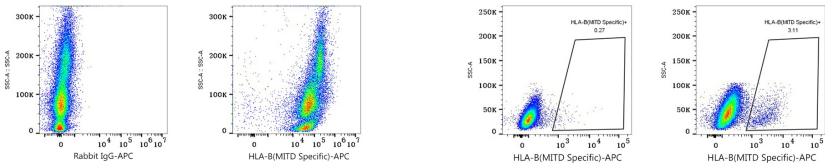
Affinity purification

**Storage**

Store at 2-8°C. Avoid freeze.

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

# Validation Data



Flow cytometry: 1X10<sup>6</sup> Human PBMC were intracellularly-stained with APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human HLA-B(MITD Specific) mAb (A28686,5 µl/Test,right).

Flow cytometry: 1X10<sup>6</sup> knockout (KO) 293T cells (negative control,left) and 293T cells (right) were intracellularly-stained with APC Rabbit anti-Human HLA-B(MITD Specific) mAb (A28686,5 µl/Test).