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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 10^6 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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

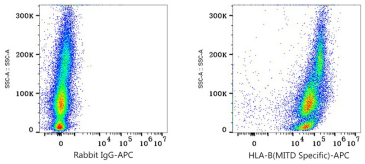
Source
Rabbit

Isotype
IgG

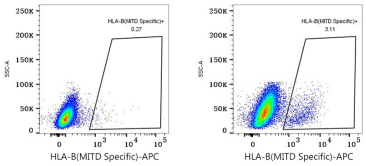
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 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: 1X10^6 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).

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