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Biotin Rabbit anti-Human/Monkey HLA-DR mAb

Catalog No.: A27380

Basic Information

Observed MW

Calculated MW
29kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human, Cynomolgus

CloneNo number
ARC5141-01

Conjugate
Biotin

Background

HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta chain, both anchored in the membrane. This molecule is expressed on the surface of various antigen presenting cells such as B lymphocytes, dendritic cells, and monocytes/macrophages, and plays a central role in the immune system and response by presenting peptides derived from extracellular proteins, in particular, pathogen-derived peptides to T cells. The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
3122

Swiss Prot
P01903

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
HLA-DRA1

Contact

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Product Information

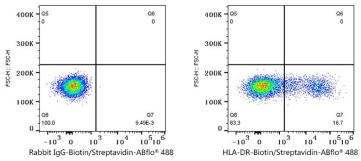
Source
Rabbit

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 (Lymphocytes,right) were surface-stained with Biotin Rabbit IgG isotype control (A25626,5 µl/Test,left) or Biotin Rabbit anti-Human HLA-DR mAb (A27380,5 µl/Test,right), followed by ABflo® 488 Streptavidin staining.