Purified Anti-Human HLA-DQ Antibody[1A3]

catalog number: **AN004210P**

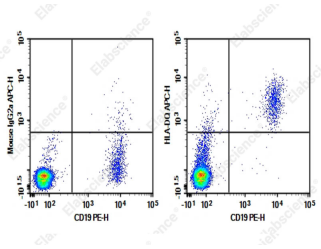
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human HLA-DQ protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	1A3
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human HLA-DQ Antibody[1a3] (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD19 PE-conjugated Monoclonal Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

HLA-DQ is heterodimeric cell surface glycoprotein comprised of a 27 kD α (heavy) chain and a 32 kD β (light) chain. In contrast to other MHC class II molecules, both chains of HLA-DQ are polymorphic and the α chain shows a high degree of polymorphism. It is expressed on B cells, activated T cells, monocytes/macrophages, dendritic cells, and other non-professional APCs. In hematopoietic development, HLA-DR and DP are expressed first, followed by HLA-DQ. Variations in the HLA gene expression are crucial to graft survival.

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