

# Anti-Human HLA-DQ (1a3) Antibody: Fc Biotinylated

**Product Code:** ICH1025B

**More Information**

**Species Reactivity:** Human

**Target:** HLA-DQ

**Concentration:** 1.0 mg/ml

**Isotype:** Mouse IgG2a

**Host:** Mouse

**product name H2:** Anti-Human HLA-DQ (1a3) Antibody: Fc Biotinylated

**Aggregation:** Aggregation level  $\leq$  5%

**Antigen Distribution:** The HLA-DQ antigen is present on approximately 10% of peripheral blood lymphocytes. This antibody reacts with virtually all B-cell lines and some tissue macrophages and dendritic cells.

**Buffer:** ICH3002

**UniProt:** P01906

**Shipping Conditions:** Blue ice

**background:** HLA-DQ is an MHC class II molecule that presents peptides to CD4 T cells and is closely linked to autoimmune-disease susceptibility. Clone 1a3 is a mouse IgG2a monoclonal antibody against human HLA-DQ, validated for flow cytometry and ELISA, and this preparation is Fc-biotinylated to enable streptavidin-based detection systems. Anti-HLA-DQ clone 1a3 is supplied in a low-endotoxin format suitable for in vivo use and produced in scalable milligram to gram quantities for bulk and high-throughput laboratories. With dependable lot-to-lot performance, 1a3 supports reproducible HLA class II research, offered



strictly for research use only.

**Other names:** HLA-DQ Monomorphic

**clone:** 1a3

**Specificity:** Anti-HLA-DQ In Vivo Antibody - Low Endotoxin (1a3) recognizes a monomorphic epitope present on HLA-DQ molecules of the human class II major histocompatibility complex (MHC). anti-HLA-DQ does not react with HLA-DR or HLA-DP molecules.

**Purification Method:** This monoclonal antibody was purified using Protein A

**Formulation:** This Biotinylated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

**Purity:** >95% by SDS-PAGE and HPLC

**Endotoxin:**  $\leq 1.0$  EU/mg as determined by the LAL method

**Storage:** This biotinylated antibody is stable when stored at 2-8°C. Do not freeze.

**Applications:** Flow Cytometry, ELISA

**Application Notes:** Each investigator should determine their own optimal working dilution for specific applications.

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.