

Anti-Human HLA-DP (B7/21) Antibody: Fc Biotinylated

Product Code: ICH1024B

More Information

Species Reactivity: Human

Target: HLA-DP

Concentration: 1.0 mg/ml

Isotype: Mouse IgG3

Host: Mouse

product name H2: Anti-Human HLA-DP (B7/21) Antibody: Fc Biotinylated

Aggregation: Aggregation level \leq 5%

Immunogen: Unknown

Antigen Distribution: The HLA-DP antigen is present on approximately 10% of normal peripheral blood lymphocytes but not on resting peripheral T-lymphocytes. HLA-DP is present in low density on peripheral blood monocytes and mitogen-stimulated T-lymphoblasts. Anti-HLA-DP reacts

Buffer: ICH3002

UniProt: P20036

Shipping Conditions: Blue ice

background: HLA-DP is an MHC class II molecule that presents antigenic peptides to CD4 T cells and contributes to transplantation and autoimmunity research. Clone B7/21 is a mouse IgG3 monoclonal antibody recognizing human HLA-DP, validated for flow cytometry and ELISA, and this version is supplied as an Fc-biotinylated conjugate for streptavidin-based detection. Anti-HLA-DP clone B7/21 is provided in a low-endotoxin format suitable for in vivo

use and manufactured in scalable milligram to gram quantities for bulk and high-throughput laboratories. Researchers rely on B7/21 for consistent HLA class II studies, with this reagent offered for research use only.

Other names: HLA-DP Monomorphic

clone: B7/21

Specificity: Anti-HLA-DP In Vivo Antibody - Low Endotoxin (B7/21) recognizes a (Mr 26-34 kDa) class II major histocompatibility complex (MHC) antigen. The antibody recognizes a monomorphic determinant present on cells expressing DP1, DP2, DP3, DP4 and DP5.

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: ≤ 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.