

Bulk Anti-Human HLA-DP (B7/21) Antibody

Product Code: ICH1024

Bulk anti-human HLA-DP antibody (B7/21) [ICH1024]

Product Specific Citations:

[Saggau, Carina et al. Autoantigen-specific CD4+ T cells acquire an exhausted phenotype and persist in human antigen-specific autoimmune diseases. Immunity, Volume 57, Issue 10, 2416 - 2432.e8](#)

Product Highlights:

This antibody is a mouse IgG3 and is prone to precipitation at lower temperatures (2-8, -70C) resulting in a slight opaque white liquid. If you allow the antibody to come back to room temperature, the majority of the precipitate will re-solubilize. We would still recommend a centrifugation/filtration as there could still be a small amount of precipitated material. ichorbio's bulk anti-human HLA-DP Antibody (B7/21) [ICH1024] is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility.

Target:

HLA-DP

Clone:

B7/21

Isotype:

Mouse IgG3

Other Names:

HLA-DP Monomorphic

Host:

Mouse

Species Reactivity:

Human

Specificity:

Bulk anti-Human HLA-DP antibody (B7/21) [ICH1024] 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.

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 with most B-cell lines.

Immunogen:

Unknown

Concentration:

1.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

≤ 1.0 EU/mg as determined by the LAL method

≤ 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level $\leq 5\%$

Aggregation level $\leq 1\%$

Storage:

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at - 20°C or -80°C. Avoid repeated freeze thaw cycles.

Applications:

Immunocytochemistry, Flow Cytometry

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

[Mouse IgG3 Isotype Control for In Vivo - Low Endotoxin \[MG3-35\] \(ICH2249\)](#)

Alternative Names:

- DP(W3) antibody
- DP(W4) antibody
- HLA class II histocompatibility antigen DP alpha 1 chain antibody
- HLA class II histocompatibility antigen DP alpha chain antibody
- HLA DP1A antibody
- HLA DPA 1 antibody
- HLA SB alpha chain antibody

- HLADP antibody
- HLADPA1 antibody
- HLASB antibody
- HLASB histocompatibility type antibody
- Human MHC class II HLA SB alpha gene antibody
- Major histocompatibility complex class II DP alpha 1 antibody
- MHC class II antigen antibody
- MHC class II DP3 alpha antibody
- MHC class II DPA1 antibody
- MHC class II HLA DPA1 antigen antibody
- PLT1 antibody
- Primed lymphocyte test 1 antibody