

Monoclonal Antibody to HLA Class II DP - Purified

Alternate names:	HLA class II histocompatibility antigen DP, HLA-DP, MHC class II antigen DP
Catalog No.:	BM2341
Quantity:	0.2 mg
Concentration:	0.1 mg/ml (OD280 nm)
Host / Isotype:	Mouse / IgG3
Recommended Isotype Controls:	AM03097PU-N
Clone:	B7/21
Immunogen:	Human HLA-DP purified whole molecule.
Format:	State: Liquid purified Ig fraction. Purification: Affinity chromatography. Buffer System: 0.01 M PBS pH 7.2 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.
Applications:	Suitable for enumeration of cells expressing HLA-DP region gene products and Flow Cytometry (1 µg/1x10 ⁶ cells/test). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes a (Mr 26-34 kDa) class II Major Histocompatibility Complex (MHC) antigen. (1) Recognizes a monomorphic determinant present on cells expressing DP1, DP2, DP3, DP4, and DP5. 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.
Storage:	Store at 2-8°C for up to 1 month and in aliquots below -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Watson, J. A. et al (1983) Nature 304:358.