

## Monoclonal Antibody to HLA Class II DP - FITC

<b>Alternate names:</b>	HLA class II histocompatibility antigen DP, HLA-DP, MHC class II antigen DP
<b>Catalog No.:</b>	BM2341F
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	0.1 mg/ml (OD280 nm)
<b>Host / Isotype:</b>	Mouse / IgG3
<b>Clone:</b>	B7/21
<b>Immunogen:</b>	Human HLA-DP Purified Whole Molecule.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Affinity chromatography. <b>Buffer System:</b> 0.01 M PBS pH 7.2 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> FITC – Conjugated to <i>Absorption / Emission:</i> 492 nm / 518 nm <i>Molar Ratio:</i> Fluorochrome/Protein (F/P) is 4.7
<b>Applications:</b>	Anti HLA-DP can be used for enumeration of cells expressing HLA-DP region gene products. May also be used in the differentiation of Monocytes and B-Lymphocytes. Flow Cytometry: 1 µg to stain 1x10 <sup>6</sup> cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. Do not freeze!! Shelf life: one year from despatch.
<b>General Readings:</b>	Watson, J. A. et al (1983) Nature 304:358.