OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-858-888-7900
Fax: +1-858-888-7904
US-info@acris-antibodies.com

OriGene EU

Acris Antibodies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

Monoclonal Antibody to HLA Class II DP - Biotin

Alternate names: HLA class II histocompatibility antigen DP, HLA-DP, MHC class II antigen DP

Catalog No.: BM2341B

Quantity: 0.2 mg

Concentration: 0.1 mg/ml (OD280 nm)

Host / Isotype: Mouse / IgG3

Clone: B7/21

Format:
State: Liquid purified Ig fraction.
Purification: Protein G chromatography.
Buffer System: 0.01 M PBS, pH 7.2 with 0.09% Sodium Azide as preservative and 2.0 mM EDTA, 1.0% BSA as stabilizer.
Label: Biotin – Conjugated to

Applications: Suitable for Enumeration of cells expressing HLA-DP region gene products and Flow Cytometry (1 µg/1x10e6 cells/test).
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Recognizes a (Mr 26-34kDa) class II major histocompatibility complex (MHC) antigen. (1)
The antibody 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.
Reacts with most B-cell lines.

Storage: Store the antibody undiluted at 2-8°C.
Do not freeze!!
Shelf life: one year from despatch.

General Readings: Watson, J. A., et al., (1983), Nature, 304,:358.