



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Mouse Anti HLA-DP Monomorphic

Catalog No.
MD-14-0372

Species
Human

Isotype
IgG3

Description

Monoclonal Antibody to Human HLA Class 2 Antigen-DP (Monomorphic), Purified Whole Molecule

Preparation

Source: Cell culture
Purification: Protein A chromatography

Specificity

Recognizes a (Mr 26-34kDa) class II major histocompatibility complex (MHC) antigen. 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.

Formulation

Format: Purified, Liquid
Concentration: 0.2mg/ml (OD280nm)
Affinity Constant: Not determined
Buffer: 0.01M PBS, pH 7.4 containing 1% BSA
Preservative: 0.09% Sodium Azide

Applications

This antibody can be used for enumeration of cells expressing HLA-DP region gene products. It may also be used in the differentiation of monocytes and B-lymphocytes. We recommend using 1 μ g to stain 1x10⁶ cells in flow cytometry. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

Short-term (up to 1 month) store at 2–8°C. Long term, aliquot and store at -20°C.

Avoid multiple freeze/thaw cycles.

Centrifuge before opening to ensure complete recovery of vial contents.

References

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

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