



BMA BIOMEDICALS

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Biotinylated Monoclonal Antibody To HLA II

Marker for Human Leukocyte Antigen Class II

Monoclonal antibody HKB1 recognizes all HLA class II antigens, the 3 major (HLA-DP, -DQ and -DR) and 2 minor Major Histocompatibility Complex MHC class II proteins (HLA-DM and -DO). The genes of the class II combine to form heterodimeric ($\alpha\beta$) protein receptors that are typically expressed on the surface of antigen presenting cells (APCs): dendritic cells B-cells and macrophages. HLA class II is presented on activated T-cells. HLA class II molecules present exogenously derived antigen to the T cell receptor (TCR) on CD4⁺ T lymphocytes.

Product number: T-1377

Clone: HKB1, biotinylated

Lot: 01PB1310

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, isotype: Mouse IgM

Quantity: 200 μ g

Format: Affinity purified, liquid
Supplied as a 0.5ml solution. This stock solution contains 0.4mg/ml IgM, phosphate buffered saline pH 7.2 (PBS) and 0.05% (v/v) Kathon CG as a preservative.

Stability: Original vial: 1 year at 4° - 8°C
Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.

Applications: Tested for immunohistochemistry (IHC); has been described to work in FACS.

Approximate working dilution for IHC:

Frozen sections: 0.5-1 μ g/ml (1:400-1:800)

Paraffin sections: not tested

Optimal dilutions should be determined by the end user.

Suggested positive control: Human tonsil

Please see www.bma.ch for protocols and general information.

Immunogen: REH cells, a human B cell precursor leukemia cell line.

Antigen, epitope: The antigen is HLA II, the epitope has not been further characterized.

Specificity: **Human:** HLA II

Other: not tested

Selected references

Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997)

For *in vitro* research only. This product contains Kathon CG as a preservative.