



BMA BIOMEDICALS

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1377 (Lot 01PB1310)
Clone:	HKB1
Host species, isotype:	Mouse IgM
Quantity:	200µg
Format:	Affinity purified, biotinylated, liquid. Reconstitute by adding 0.5ml distilled water. 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 from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 0.5-1µg/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
Immunogen:	REH cells, a human B cell precursor leukemia cell line
Protein database:	<u>human-P01911</u>

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.