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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-1361
Clone:	HKB1
Host species, isotype:	Mouse IgM
Quantity:	200 μ g
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide 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: 1 μ g/ml (1:400) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil 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. Caution: this product contains sodium azide, a poisonous and hazardous substance.