

Product datasheet for **TA363835**

HLA II Mouse Monoclonal Antibody [Clone ID: HKB1Biotin]

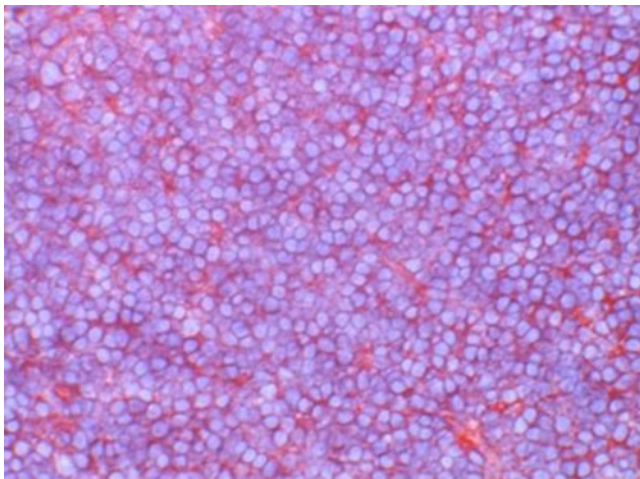
Product data:

Product Type:	Primary Antibodies
Clone Name:	HKB1Biotin
Applications:	IHC
Recommended Dilution:	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
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	REH cells, a human B cell precursor leukemia cell line.
Specificity:	Human: HLA II Other: not tested
	Epitope: The antigen is HLA II, the epitope has not been further characterized.
Formulation:	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.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Original vial: 1 year at 4° - 8°C. Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Background:	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.



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Product images:



TA363835, Clone HKB1 Biotin, human tonsil,
frozen section