

AM26128PU-N**Monoclonal Antibody to HLA II - Aff - Purified**

Alternate names:	HLA II, human leukocyte antigen class II
Quantity:	0.2 mg
Concentration:	0.4 mg/ml
Background:	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.
Host / Isotype:	Mouse / IgM
Clone:	HKB1
Immunogen:	REH cells, a Human B cell precursor leukemia cell line. Remarks: Antigen: HLA II. Epitope: has not been further characterized.
Format:	State: Lyophilized purified Ig fraction Purification: Affinity Chromatography Buffer System: Stock solution contains PBS, pH 7.2 with 5 mg/ml BSA as a stabilizer and 0.09% Sodium Azide as preservative. Reconstitution: Restore by adding 0.5ml distilled water.
Applications:	Immunohistochemistry on Frozen Sections: 1 $\mu\text{g/ml}$ (1/400). Has been described to work in FACS . Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody 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).
Species Reactivity:	Tested: Human.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997).

Pictures:

Cat.-No. AM26128PU-N (Clone HKB1) HLA II antibody staining of Human Tonsil Frozen Section.

