

# anti-human pan HLA-Class II no azide

## Monoclonal Antibody HKB1 to pan HLA-Class II (Human)

**Cat-No:** 21629230

**100 µg in 100 µl**

**Clone:** HKB1

**Specificity:** The antibody recognises 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.

**Isotype subclass:** Mouse monoclonal IgM

**Form:** Affinity purified, lyophilized

**Physical state:** Liquid

**Buffer/Additives/Preservative:** sterile PBS, pH 7.2.

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** The HKB1 antibody is well suited for detection of HLA class II molecules by flow cytometry.

**References:**

Barclay, Brown et al., The Leucocyte Antigen FactsBook, 2<sup>nd</sup> edition, Harcourt Brace & Company, London(1997)

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