

anti-human HLA-DP

Monoclonal Antibody HI43 to HLA-DP (Human)

Cat-No: **21819981**

100 µg in 100 µl

Clone: HI43

Specificity: The monoclonal antibody HI43 recognises a monomorphic determinant of human HLA DP which is expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages and activated T lymphocytes.

HLDA IV, WS Code: 88

Isotype subclass: Mouse IgG1

Form: Purified by protein-G affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (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: Flow Cytometry
Immunohistochemistry (frozen and paraffin sections)

References: □ *Knapp and others: Leukocyte typing IV. 1989 Oxford University Press, New York

Background: The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class II proteins encoded by the HLA which are HLA DP, HLA DQ and HLA DR. The **HLA-DP** antigen is present on approximately 10% of peripheral blood lymphocytes. Anti-HLA-DP reacts weakly with most peripheral blood monocytes and mitogen-stimulated T-lymphocyte blasts but not with resting peripheral T lymphocytes. It also reacts with virtually all B-cell lines, some myelomas, and some myeloid leukemias, but only rarely with T-lymphocyte tumors.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for research only. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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