anti-human HLA-DR FITC-conjugated

FITCconjugated monoclonal antibody LT-DR to human HLA-DR

Cat-No: **21388993** 500 µl

Clone: LT-DR

Specificity: The antibody LT-DR recognizes common epitope on human HLA-DR which is dependent on the association of alpha and beta chains. DR is the isotype of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).

Isotype subclass: Mouse IgG2a

Form: The purified antibody is conjugated with Fluoresceinisothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1% BSA and 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. Do not freeze. Avoid prolonged exposure to light

Application: The reagent is designed for Flow Cytometry analysis

References: Horejsi V and others: Tissue Antigens. 1986 Nov;28(5):288-97.

Background: HLA-DR is a transmembrane human major histocompatibility complex 2 (MHC II) family member and consists of a 34 kDa (alpha) subunit and one of several 28 kDa (beta) subunits. HLA-Dr is expressed primarily on B cells on which it presents antigenic peptides for recognition by the T cell receptor on CD4+T cells. This interaction is central to antigen specificity in the adaptive immune response. HLA-DR alleles, polymorphisms and aberrant expression are linked to a variety of diseases including autoimmunity and cancer.

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.

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