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36-2490: Anti-HLA-DRB (MHC II) Monoclonal Antibody(Clone: L243)

Clonality: Monoclonal

Clone Name: L243
Application: FACS,IF
Reactivity: Human
Gene: HLA-DRB1
Gene ID: 3123
Uniprot ID: P01911

DRB1; HLA class II histocompatibility antigen, DR-1 beta chain; HLA-DR-beta 1; HLA-DRB1;

Alternative Name: human leucocyte antigen DRB1; Leucocyte antigen DR beta 1 chain; lymphocyte antigen DRB1; major histocompatibility complex, class II, DR beta 1; MHC class II HLA-DR beta 1 chain;

MHC class II HLA-DR-beta cell surface glycoprotein

Isotype: Mouse IgG2a, kappa

Immunogen Information: Activated human peripheral blood mononuclear cells

Description

This MAb reacts with the HLA-DRB1 antigen, a member of MHC class II molecules. It does not cross react with HLA-DP and HLA-DQ. It binds a conformational epitope on HLA-DR, which depends on the correct folding of the heterodimer. This MAb has been reported to block mixed lymphocyte reactions. The L243 antibody recognizes a different epitope than the LN3 monoclonal antibody, and these antibodies do not cross-block binding to each other's respective epitopes. HLA-DR is a heterodimeric cell surface glycoprotein comprised of a 36kD alpha (heavy) chain and a 28kD beta (light) chain. It is expressed on B-cells, activated T-cells, monocytes/macrophages, dendritic cells and other non-professional APCs. In conjunction with the CD3/TCR complex and CD4 molecules, HLA-DR is critical for efficient peptide presentation to CD4+ T cells. It is an excellent histiocytic marker in paraffin sections producing intense staining. True histiocytic neoplasms are similarly positive. HLA-DR antigens also occur on a variety of epithelial cells and their corresponding neoplastic counterparts.

Product Info

Amount: 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition : Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

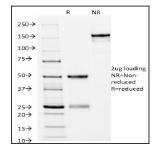


Fig. 1: SDS-PAGE Analysis Purified HLA-DRB Mouse Monoclonal Antibody (L243). Confirmation of Integrity and Purity of Antibody.