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36-2488: Anti-HLA-DRA (MHC II) Monoclonal Antibody(Clone: 169-1B5.2)

Clonality: Monoclonal
Clone Name: 169-1B5.2
Application: FACS,IF
Reactivity: Human
Gene: HLA-DRA
Gene ID: 3122
Uniprot ID: P01903

DR alpha chain; HLA class II histocompatibility antigen; HLA class II histocompatibility antigen

Alternative Name: DR alpha chain; HLA DRA; HLA DRA1; HLA-DRA; HLADRA1; Major histocompatibility complex

class II DR alpha; MHC cell surface glycoprotein; MHC class II antigen DRA

Isotype: Mouse IgG2b, kappa

Immunogen Information: Human peripheral blood leukocytes

Description

This antibody detects a monomorphic general framework determinant of HLA-DR Class II antigen. It does not cross react with HLA-DP and HLA-DQ. HLA-DR is a heterodimeric cell surface glycoprotein comprised of a 36kDa alpha (heavy) chain and a 28kDa 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 cytoplasmic 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);

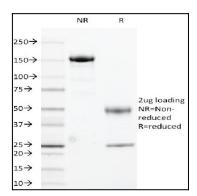


Fig. 1: SDS-PAGE Analysis Purified HLA-DRA Mouse Monoclonal Antibody (169-1B5.2). Confirmation of Integrity and Purity of Antibody.



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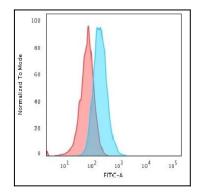


Fig. 2: Flow Cytometric Analysis of PFA-fixed Raji cells. HLA-DRA Mouse Monoclonal Antibody (169-185.2) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).