

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

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | 169-1B5.2   |
| <b>Application :</b>           | FACS,IF   |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | HLA-DRA   |
| <b>Gene ID :</b>               | 3122  |
| <b>Uniprot ID :</b>            | P01903  |
| <b>Alternative Name :</b>      | DR alpha chain; HLA class II histocompatibility antigen; HLA class II histocompatibility antigen 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 |
| <b>Isotype :</b>               | Mouse IgG2b, kappa  |
| <b>Immunogen Information :</b> | 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 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. |
| <b>Storage condition :</b> | 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);

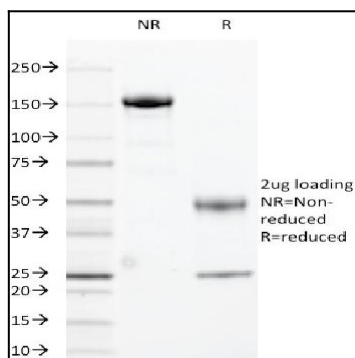


Fig. 1: SDS-PAGE Analysis Purified HLA-DRA Mouse Monoclonal Antibody (169-1B5.2). Confirmation of Integrity and Purity of Antibody.

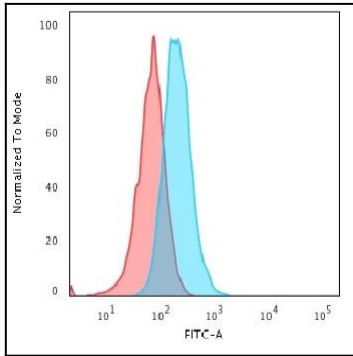


Fig. 2: Flow Cytometric Analysis of PFA-fixed Raji cells. HLA-DRA Mouse Monoclonal Antibody (169-1B5.2) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).