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Monoclonal Antibody to HLA Class II DR - PE

Alternate names: HLA class II histocompatibility antigen DR, HLA-DR, MHC class II antigen DR

Catalog No.: SM2200R

Quantity: 100 Tests

Concentration: 0.1 mg/ml

Background: HLA DR is expressed by B lymphocytes, activated T cells and by monocytes.

Host / Isotype: Rat / IgG2a

Clone: YE2/36-HLK

Immunogen: EHR-B Ramos cells. Spleen cells from immunised AO rats were fused with cells of the rat Y3 Ag1.2.3 myeloma cell line.

Format:
State: Lyophilized purified IgG
Purification: Affinity chromatography on Protein G
Buffer System: Containing 0.09% Sodium Azide and 1% Bovine Serum Albumin
Label: PE – R. Phycoerythrin (RPE)
Reconstitution: Restore with 1.0 ml distilled water

Applications:
Flow Cytometry.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody recognises a monomorphic determinant of HLA-DR antigen (MHC class II). Clone YE2/36 has also been reported to be cross reactive with mouse H-2 haplotypes b, d and q expressed by mouse strains including C57BL/6, DBA, and NZB.
Species: Human.
Other species not tested.

Storage:
Prior to and following reconstitution store the antibody at 2-8°C.
DO NOT FREEZE!
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.

General References:
1. Brickell, P.M. et al. (1981) A monoclonal antibody to the HLA-DR product recognizes a polymorphic Ia determinant in mice. Immunology. 43: 493-501.
2. Whiteland, J.L. et al. (1995) Immunohistochemical detection of T-cell subsets and other leucocytes in Paraffin-embedded Rat and Mouse tissues with monoclonal antibodies. J. Histochem. Cytochem. 43(3): 313-320.
3. Bellinghausen, I.et al. (2003) Production of interleukin-13 by human dendritic cells after stimulation with protein allergens is a key factor for induction of T helper 2 cytokines and is associated with activation of signal transducer and activator of transcription-6. Immunology. 108:167-176.