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Mouse Anti-Human HLA-ABC Monoclonal Antibody Datasheet

Product Name: mAb anti-Human HLA-ABC

Clone No.: LY5.1

Catalogue No.: MO-L40033

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human HLA-ABC (Class I HLA heavy chain)

Purification: Protein G affinity purified

Product type: Primary antibodies

Target Protein: Human HLA-ABC (Class I HLA heavy chain)

Immunogen: Purified class I HLA complex

Fusion Myeloma: Sp2/0-Ag14

Specificity: This monoclonal antibody reacts with human HLA-ABC

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to reconstitute the antibody.

Storage: Store at -20°C

Research area: Haematology, Immunology

Background: Human leukocyte antigen (HLA) is the antigen binding, membrane bound α chain of major histocompatibility complex I (MHC1). While the small β chain is the invariable beta 2 microglobulin, the α chain has three major isoforms (HLA-A, HLA-B, HLA-C) that are encoding by different loci on chromosome 6 and each of the isoforms has a highly variable region that resembles Fab on immunoglobulin. The HLA-ABC antibody reacts with a common epitope shared by HLA-A, HLA-B and HLA-C.

Applications: Immunohistochemistry (IHC)

References: Bushkin, Y., et. al. A New HLA-Linked T Cell Membrane Molecule, Related to the β Chain of the Clonotypic Receptor, is associated with T3. J. Exp. Med. (1986), 164(August):458-473.

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