



## 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  $\alpha$  chain of major histocompatibility complex I (MHC1). While the small  $\beta$  chain is the invariable beta 2 microglobulin, the  $\alpha$  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:** **Western Blot**

**Immuno-precipitation**

**Immunohistochemistry (IHC)**

**Immunofluorescence**

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

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