

Mouse Anti-HLA-ABC (MHC I) [D2]: MC0512, MC0512RTU7

Intended Use: For Research Use Only

Description: Reacts with a monomorphic determinant of human major histocompatibility (MHC) class I antigens (HLA-A, B and C). Human MHC class I antigens are expressed constitutively on all nucleated cells lymphocytes such as lymphocytes, thymocytes, granulocytes, and bone marrow cells and are absent on erythrocytes. MHC class I antigens play a role in class I MHC-associated antigen presentation, inhibition of NK cell cytotoxicity, tumor surveillance, and tissue allotransplantation.

Specifications:

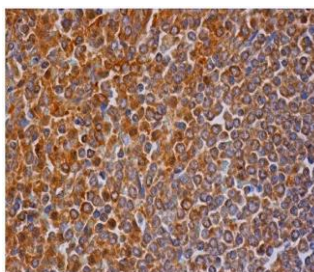
Clone: D2
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Immunogen: An internal region of human HLA-A aa25-324
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, ICC/IF, IP, WB
 Package:

Description	Catalog No.	Size
HLA-ABC (MHC I) Concentrated	MC0512	1 ml
HLA-ABC (MHC I) Prediluted	MC0512RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, lymph node
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human spleen stained with anti-HLA-A using DAB

References:

1. Composition and Clinical Impact of the Immunologic Tumor Microenvironment in Oral Squamous Cell Carcinoma. Boxberg M, et al. J Immunol 202:278-291, 2019.
2. Mutational activation of the epidermal growth factor receptor down-regulates major histocompatibility complex class I expression via the extracellular signal-regulated kinase in non-small cell lung cancer. Watanabe S, et al. Cancer Sci 110:52-60, 2019.
3. Immune profiles of desmoplastic small round cell tumor and synovial sarcoma suggest different immunotherapeutic susceptibility upfront compared to relapse specimens. Wedekind MF, et al. Pediatr Blood Cancer 65:e27313, 2018.

Doc. 100-MC0512
Rev. A