
MHC Class I (HI21) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252274

Unit: 0.1 mg

Description:

MHC Class I (HI21) antibody recognizes class I major histocompatibility complex (or human leukocyte antigen) monomorphic antigen which is expressed widely on human nucleated cells such as lymphocytes, monocytes/macrophages, dendritic cells and other hematopoietic and non-hematopoietic nucleated cells, and platelets. The expression of HLA-I antigen varies with cell types and decreases with cell maturation, e.g. low expression on mature granulocytes and almost null on mature erythrocytes. HLA-I antigen is also expressed on most cells of human leukemic cell lines, but not or low in Daudi and K562 cell lines and nerve cells. In addition to membrane HLA-I antigen, a soluble form of HLA-I can be detected in serum.

Isotype: mouse IgG1

Applications: E, FC, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: HLA-I; HLA class I histocompatibility antigen; MHC class I antigen

Accession No.:

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen and formalin-fixed paraffin sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Chen Z., et al. 1987. Chinese Science Bulletin. 24: 1902; McMichael JA., et al. eds. 1986. Leucocyte Typing III: White Cell Differentiation Antigens. P59, 70. Garland Publishing, Inc., New York.

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