



Category:
Monoclonal Antibodies

Cat. #
V1029

Product Name:
MHC1, (Class I)

Description:

This antibody reacts with monomorphic determinant of MHC class I antigens, found on over 80% of human PBL (T&B), thymocytes, tonsil cells, splenocytes, bone marrow cells, granulocytes, platelets, and null cells.

Immunogen:

The cell membranes of Human Tonsil Lymphocytes.

Cellular Localization:

Cell Membrane.

Application:

Immunohistochemistry (Frozen)(Acetone fixation is recommended).

Species Reactivity:

Human. Others not tested.

Presentation:

20 mM Tris-Borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing Fetal Bovine Serum, BMC-6 Carrier Polysaccharides, Carrier Protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M Borate pH 8.0 containing 0.15M Sodium Chloride, 0.05% Sodium Azide, is a good diluent to use with most antibodies.

Staining Procedure:

For a three-step avidin-biotin complex system, a dilution of 1:50 to 1:100 may be used as a guideline. The optimal conditions should be determined by the individual laboratory.

Storage:

Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2mg

Clone: B411(108-2C5)

Isotype: IgG1, k

Host: Mouse

Form: purified

Concentration: 0.5 mg/ml

Units On Hand: YES

References:

1. Daar AS, Fuggle SV, Fabre JW, Ting A, Morris PJ. The detailed distribution of HLA-A, B, C antigens in normal human organs. Transplantation 38: 287-92, 1984.
2. Fleming KA, McMichael A, Morton JA, Woods J, McGee JO'D. Distribution of HLA class I antigens in normal human tissue and mammary cancer. J Clin Pathol 34: 779-84, 1981.
3. Barbatis C, Woods J, Morton JA, Fleming KA, McMichael A, McGee JO'D. Immunohistochemical analysis of HLA (A, B, C) antigens in liver disease using a monoclonal antibody. Gut 22: 985-91, 1981.
4. Appleyard ST, Dunn MJ, Dubowitz V, Rose ML. Increased expression of HLA ABC class I antigens by muscle fibres in Duchenne muscular dystrophy, inflammatory myopathy, and other neuromuscular disorders. Lancet i: 361-3, 1985.

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