



Category:
Monoclonal Antibodies

Cat. #
1107NF-K041

Product Name:
CD45RA, B-cell - Dehydrated

Description:
Monoclonal Mouse Anti-Human B-cell, CD45RA

Immunogen:
The hairy cell leukaemia cells.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Lymphoid Tissue sections

Presentation:
The K041 is supplied in two screw cap microtubes, labeled A and B. Tube A, which has an orange cap, contains 0.5 mL of dehydrated antibody reconstitution buffer. Tube B, which has a blue cap, contains the dehydrated concentrated monoclonal antibody. The light green color is the combination of No. 1 blue and No. 5 yellow food dyes, it serves as an indicator for the reconstitution procedure.

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, 0.02% sodium azide, is a good diluent to use with most antibodies. When diluting for immunohistochemistry, ELISA or western blot, make the dilution in An Antibody Diluting Buffer. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Staining Procedure:
This antibody can be used on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:15 to 1:20 in IHC. When using paraffin-embedded and formalin-fixed tissues, high temperature antigenic unmasking technique) is strongly recommended for consistent and reproducible results. This product can also be used on frozen tissue sections. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody reacts with the two larger polypeptide chains of the leucocyte common antigen (220 and 205 kD). This antibody recognizes most B-cells in peripheral blood smears and in lymphoid tissue sections. It also recognizes a small subpopulation of T-cells and monocytes.

Storage:
Refrigerate at 4°C. Do not freeze.

Size: 0.1 mg
Clone: 4KB5
Isotype: IgG1, k
Host: Mouse
Form: Dehydrated
Units On Hand: YES

References:

1. McMichael AJ et al., eds. Leucocyte Typing III. White Cell Differentiation Antigens. Oxford-New York-Tokyo: Oxford University Press, 1987.
2. Dalchau R, Fabre JW. Identification with a monoclonal antibody of a predominantly B lymphocyte-specific determinant of the human leukocyte common antigen. J Exp Med. 153: 753-65, 1981.
3. Poppema S, Hollema H, Visser L, Vos H. Monoclonal antibodies (MT1, MT2, MB1, MB2, MB3) reactive with leukocyte subsets in paraffinembedded tissue sections. Am J Pathol 127: 418-29, 1987.

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