



Category:
Monoclonal Antibodies

Cat. #
V7083

Product Name:
P55,50; Epstein-Barr Virus Early Antigen

Description:

Monoclonal Mouse Anti-Human P55,50; Epstein-Barr Virus Early Antigen

Immunogen:

Immunoprecipitated EBV early antigens

Cellular Localization:

Nuclear

Application:

Immunohistochemistry 1:50-1:100. -THE OPTIMAL DILUTION SHOULD BE DETERMINED BY THE INDIVIDUAL LAB.

Species Reactivity:

Human. Others not tested.

Recommended Positive Control:

Raji Granulocytest

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. 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.

Staining Procedure:

This antibody can be used on frozen and formalin-fixed paraffin-embedded tissue sections. When using on formalin-fixed paraffinembedded tissue sections an antigen demasking procedure is highly recommended. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:

This antibody reacts with a polypeptide of 50;55 kD associated with early antigen of the Epstein-Barr virus (EBV). p55 is a phosphoprotein and p55;50 binds to single-stranded DNA more readily than to dsDNA. EBV causes mononucleosis and is associated with both Burkitt's lymphoma and nasopharyngeal carcinoma. The early antigen is the first detectable marker of EBV infection.

Storage:

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

Size: 0.2mg

Clone: B485 (1108-1)

Isotype: IgG1

Host: Mouse

Form: Purified

Mol. Wt. of Antigen: 50-55 kD

Concentration: 0.5 mg/ml

Units On Hand: YES

References:

1. Rowe, M. etal, J. Gen. Virol. 68:1575-1586, 1987.
2. Rowe, M. etal, Differences in B-cell growth phenotype reflect novel patterns of Epstein-Barr virus latent gene expression in Burkitt's lymphoma, EMBO J.

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