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Monoclonal Antibody to Human P55,50; Epstein-Barr Virus Early Antigen

Catalog No.: DM3164

Quantity: 0.5 ml

Concentration: 0.3 mg/ml

Host / Isotype: Mouse / IgG1

Clone: B485

Immunogen: Immunoprecipitated EBV early antigens.

Applications: Immunohistology: 1/50-1/100. This antibody can be used on frozen and formalinfixed paraffin-embedded tissue sections. When using on formalin-fixed paraffin-embedded tissue sections an antigen demasking procedure is highly recommended. Recommended positive control: Raji Granulocytess. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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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 Burkitts lymphoma and nasopharyngeal carcinoma.The early antigen is the first detectable marker of EBV infection. Cellular Localization: nuclear.

Mol. Wt of Antigen: 50-55kD

Storage: Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4C. 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 dilutent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability

General Readings:

1. Epstein AL. Immunobiochemical characterization with monoclonal antibodies of Epstein-Barr virus-associated early antigens in chemically induced cells. J Virol. 1984 May;50(2):372-9. PubMed PMID: 6323737.
2. Rowe, M. etal, J. Gen. Virol. 68:1575-1586, 1987.
3. Liebowitz, D. etal, J. Virol. 58:233-237, 1986.
4. Rowe M, Rowe DT, Gregory CD, Young LS, Farrell PJ, Rupani H, et al. Differences in B cell growth phenotype reflect novel patterns of Epstein-Barr virus latent gene expression in

Burkitt's lymphoma cells. EMBO J. 1987 Sep;6(9):2743-51. PubMed PMID: 2824192.