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Monoclonal Antibody to Human CD8, T Cell

Alternate names: CD8, MAL, T-cell surface glycoprotein CD8 alpha chain, T-cell surface glycoprotein CD8 beta chain, T-lymphocyte differentiation antigen T8/Leu-2

Catalog No.: DM117S

Quantity: 0.5 ml

Concentration: 0.19 mg/ml

Host / Isotype: Mouse / IgG1

Clone: 144B

Immunogen: Synthetic peptide sequence of cytoplasmic domain of the CD8 molecule.

Applications: This antibody can be used on formalin-fixed, paraffin embedded tissue sections, as well as on frozen tissue sections. For a three-step streptavidin-biotin complex detection system a dilution of 1:25 is recommended as a guideline. The incubation periods for 2 hours to overnight at room temperature provide uniform and reproducible results. To enhance staining, high temperature-based antigenic unmasking technique (see instructions below) is highly recommended when using paraffin-embedded, formalin-fixed sections. Recommended positive control: Human Tonsil, Spleen. 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 is specific against human CD8 antigen, a 32 kD transmembrane protein present in the cytotoxic/suppressor T lymphocyte subset of T8 cells.

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, 0.05% 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. Itzkowitz SH, et al. Cancer 66: 1960, 1990.
2. Itzkowitz SH, et al. Cancer 49: 197, 1989.
3. Kjeldsen T, et al. Cancer Res. 48: 2214, 1988
4. Teresawa K., et al. Can