EuroBioSciences

Data Sheet

anti-mouse CD8a purified

Cat-No.: M22126 0.1 mg

Clone: YTS 169AG 101HL

Specificity: The anti-CD8a (Ly 2) monoclonal antibody reacts with a protein of approximately 30 kDa found on mouse thymocytes and mouse cytotoxic/suppressor T cells. It does not bind to mouse helper/inducer T cells. It binds to T lymphocytes from all mouse strains regardless of phenotypic expression (ie. reacts with T lymphocytes from mouse strains expressing the Ly 2.1 or Ly 2.2 phenotype.). It can be used to investigate the role of T cells in models for infectious disease, autoimmunity, transplantation tolerance and fundamental aspects of immunology. It can also be useful to identify/eliminate cytotoxic or suppressor T lymphocytes in vivo or in vitro.

Isotype subclass: Rat IgG2b

Form: Purified from ascitic fluid via Protein G Chromatography

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.02 % sodium azide (pH 7.4).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions:
Store at 4 °C. For long term storage, aliquot and store at –20 °C. Avoid freeze/thaw cycles.

Application:
Flow Cytometry
Immunoprecipitation
Immunohistochemistry (frozen sections)
Cell separation

References:
1) Moreau J-L, Nabholz M, Diamamtstein T, Malek T, Shevach E, Thèze J (1987). Monoclonal Antibodies identify three epitope clusters on the mouse p55 subunit of the interleukin 2 receptor: relationship to the interleukin 2 binding site. European J. Immunology 17, 1835-1838.
2) Hashimoto N, Nabholz M, MacDonald HR, Zubler RH (1986). Dissociation of interleukin 2 dependent and independent B cell proliferation with monoclonal anti-interleukin 2 receptor antibody. European J. Immunology 16, 317-320.
3) Lowenthal JW, Corthésy P, Tougne C, Lees R, MacDonald HR, Nabholz M (1985). High and low affinity IL-2 receptors: Analysis by IL-2 dissociation rate and reactivivty with monoclonal anti-receptor antibody PC61. J. Immunology 135, 3988-3994.
4) Ceredig R, Lowenthal JW, Nabholz M, MacDonald HF. (1985) Expression of interleukin-2 receptor as a differentiation marker on intrathymic stem cells. Nature 314: 98-100

Warning:
Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.
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