EuroBioSciences

Data Sheet

anti-mouse CD3z (CD247)PE-conjugated

Cat-No.: M22143P **1 ml**

Clone: H146-968

Specificity: The anti-mouse CD3z monoclonal antibody detects the zeta subunit of the T cell receptor (TCR).The TCR complex consists of a ligand specific alpha/beta heterodimer non-covalently associated with five invariant chains including the CD3 gamma, delta, eta and zeta subunits. This complex regulates assembly and expression of the receptor and is thought to be responsible for transmembrane transduction of signals after binding to TCR a/ß.
Studies have suggested that the CD3z subunit (also know as CD247) plays an important role in two distinct cellular compartments. In the cytoplasm it may function to regulate Ag receptor expression and in the plasma membrane it may be required for optimal signaling by the physiologic ligand Ag/MHC. The CD3z subunit is also associated with the CD16 IgG Fc receptor on NK cells.

Isotype subclass: Hamster IgG

Form: Purified from ascitic fluid via Protein G Chromatography, PE conjugated

Physical state: Liquid

Buffer/Additives/Preservative:
PBS containing 1 % BSA and 0.09 % 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. Do not freeze. Avoid prolonged exposure to light.

Application:
Flow Cytometry, Western Blot, ELISA

References:
1. Rozdzial, MM, Kudo RT, Turner SL, Finkel TH, et al. 1994. Developmental Regulation of the TCR ?-Chain, J Immunol 153:1563
2. Moingeon P et al 1992. CD3 ? Dependance of the DC2 Pathway of Activation in T Lymphocytes and Natural Killer Cells. Proc Natl Acad Sci USA Februar 15; 89 (4): 1492

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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