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TECHNICALLY *Speaking*

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

Biotin Anti-Mouse CD3z (CD247) Monoclonal Antibody

CL7230B
CL7230B-3
Lot:

DESCRIPTION:

Cedarlane's Biotin 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 $\alpha\beta$.

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.

This clone (H146-968) has been reported to work in flow cytometry (in permeabilized cells), Western Blotting and ELISA.

PRESENTATION:

100 μg (CL7230B) or 300 μg (CL7230B-3) Biotin conjugated Ig buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

Stable at 4°C. For long term storage, aliquot and freeze unused portions at -20°C in volumes appropriate for single usage. Avoid repeated freeze/thaw cycles.

Continued Overleaf...

For more information or to place an order please contact...

CEDARLANE®
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SPECIFICATIONS:

Clone: H146-968

Hybridoma Production:

Immunization:

Immunogen: KLH conjugated mouse zeta-chain (CD3) sequence 151-164

Donor: Armenian hamster

Specificity: Mouse CD3z (zeta chain); also known as CD247

Ig Class: Hamster IgG2 κ

Format: Biotin conjugated Ig buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. (Purified from ascitic fluid via Protein G Chromatography)

Antibody Concentration: 0.1 mg/ml

REFERENCES:

1. Rozdzial, MM, Kudo RT, Turner SL and Finkel TH. 1994. Developmental Regulation of the TCR ζ -Chain. *J Immunol* 153:1563.
2. Moingeon P *et al.* 1992. CD3 ζ Dependence of the CD2 Pathway of Activation in T Lymphocytes and Natural Killer Cells. *Proc Natl Acad Sci USA*. February 15; 89 (4):1492.

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