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TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

FITC Anti-Mouse CD3z (CD247) Monoclonal Antibody

CL7230F
CL7230F-3
Lot: 3031

DESCRIPTION:

Cedarlane's FITC 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 μ g (CL7230F) or 300 μ g (CL7230F-3) FITC conjugated Ig buffered in PBS, 0.02% Na₃N and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

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

CEDARLANE®
LABORATORIES LIMITED



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in North America

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or visit our website for a list of our international distributors including contact information

website: www.cedarlanelabs.com • e-mail: info@cedarlanelabs.com

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.

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 IgG

Format: : FITC 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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