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TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

PE Rat Anti-Mouse CD117 (c-Kit) Monoclonal Antibody

CL8932PE
LOT: 03010607

DESCRIPTION:

Cedarlane's monoclonal antibody recognizes CD117 (also known as c-Kit), a tyrosine kinase receptor which is expressed on multipotent hematopoietic stem cells, precursors to B cells and T cells, and myeloerythroid progenerators[1,3,8]. The interactions of c-Kit and its ligand stem cell factor play a role in the proliferation and differentiation of hematopoietic progenerator cells [1,8].

This antibody is suitable for use in flow cytometry and is reported to work in immunoprecipitation.

PRESENTATION:

50 µg in 0.5 ml PE-conjugated Ig in phosphate buffered saline containing 0.1% sodium azide (NaN_3) as preservative. A highly purified grade of BSA has been added as a stabilizing protein to bring the final protein concentration to 4-5 mg/ml after conjugation.

SPECIFICATIONS:

Clone: 2B8

Specificity: Mouse CD117 (c-Kit)

Ig Class: Rat IgG_{2b}

Antibody Concentration: 0.1 mg/ml

APPLICATIONS:

Every lot is tested by flow cytometry using mouse bone marrow suspensions. From this testing, we recommend that between 0.1µg and 0.25 µg of antibody be used per $1x10^6$ cells. For optimal results, it is recommended that each investigator determine dilutions appropriate for individual use.

Continued Overleaf….

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

CEDARLANE® LABORATORIES LIMITED

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STORAGE/STABILITY:

Store at 4°C. **DO NOT FREEZE**. Avoid prolonged exposure to light. If the reagent is being diluted, it is recommended that only the quantity to be used in one week be diluted.

REFERENCES:

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8. Matsuzaki, Y., J.-I Gyotoku, M. Ogawa, S. –i. Nishikawa, Y. Katsura, G. Gachelin, and H. Nakauchi. 1993. Characterization of *c-kit* positive intrathymic stem cells that are restricted to lymphoid differentiation. *J. Exp. Med*. **178**: 1283-1292.

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