RayBiotech, Inc.

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Certificate of Analysis and DataSheet

Hamster Anti Mouse CD3 Epsilon

Catalog No.	Target Species	Isotype
MD-11-0051	Mouse	IgG

Preparation

Host Animal: Syrian Hamster
Purification: Protein G chromatography
Immunogen: C6VL-BS cell lysate

Specificity

Anti-Mouse CD3 epsilon recognizes the (Mr 25kD) epsilon chain of the CD3 T-cell receptor complex expressed on mouse T-cells. The CD3 epsilon is present on thymocytes, CD8+ and CD4+ positive cells expressed low level of CD3 epsilon while cells expressing high levels of CD3 epsilon were either CD8+ or CD4+.

Formulation

Format: Purified, Liquid
Concentration: 0.5mg/ml (OD280nm)
Affinity Constant: Not determined.
Buffer: 0.01M PBS, pH 7.2 containing 1% BSA
Preservative: 0.09% Sodium Azide
Source: Cell culture

Application

Anti-CD3 epsilon antibody can be used for flow cytometric analysis, immunofluorescence and immunohistochemical staining of acetone fixed fresh frozen tissue sections. We recommend using 1ug to stain 1.0 x 10^6 cells in flow cytometric applications. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage

Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at –20°C. The addition of 0.1% (w/v) sodium azide is recommended for storage of the reconstituted form for up to one month at 2-8°C.

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References

1. Havran, W.M. et al., (1987), "Expression and function of the CD3-antigen receptor on murine CD4+8+ thymocytes", Nature, **330**, 170-173.
2. Allison, J.W. et al., (1988), "Expression and function of CD3 on murine thymocytes." The T-cell Receptor, UCLA Symposia, 73rd edition, Kappler, J., and M. Davis, eds. 33-44