



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Mouse Anti Human CD8 beta

**Catalog No.**  
MD-11-0115

**Host Animal**  
Mouse

**Description:** Monoclonal Antibody to Human CD8, beta

**Specificity:** Recognizes an epitope of the CD8 beta molecule that depends upon the expression of both CD8 alpha and CD8 beta chains.(1-3) Immunoprecipitates the human complex CD8 alpha/beta (30-32kDa) from cell lines expressing the alpha and beta cDNA.(2)

**Host Animal:** Mouse. Hybridization of NS1 myeloma cells with spleen cells from Balb/c mice.

**Isotype:** IgG<sub>2a</sub>, kappa

**Immunogen:** Normal human T cells

**Format:** Purified, Lyophilized.  
Reconstitute with 1ml of distilled water.

**Purification:** Protein A chromatography

**Concentration:** 0.2mg/ml (prior to lyophilization)

**Affinity Constant:** Not determined.

**Buffer:** Lyophilized from PBS containing 1mg/ml BSA

**Preservative:** None

**Applications:** Flow cytometry and fluorescent microscopy (2ug / 5 x 10<sup>5</sup> cells/test or 100ul of whole blood)  
Immunoprecipitation  
Research studies of structural and/or functional characteristics of protein chains in multimeric CD8 complexes.  
Functional studies of cells expressing heterodimeric alpha/beta CD8 complex.

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**



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(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. Avoid multiple freeze/thaw cycles. The addition of 0.1% (w/v) sodium azide is recommended for storage of reconstituted form for up to one month at 2–8°C.

### References:

The references listed below are for research purposes only.

1. Terry, L.A., et al., (1990), "Differential expression and regulation of the human CD8 alpha and CD8 beta chains", Tissue Antigens, **35**, 82–91.
2. DiSanto, J.P., et al., (1991), "Generation of anti-human CD8 beta-specific antibodies using transfectant expressing mixed-species CD8 heterodimers", J. Immunol. Methods, **141**, 123–131.
3. Alcover, A., "CD8 cluster report, 1995, In Leucocyte Typing V, White Cell Differentiation Antigens, Schlossman, S.F., et al., Eds., Oxford Univ. Press, p. 353–354.
4. Knowles, R.W., (1985), "Immunochemical analysis of the T cell-specific antigens", in Leucocyte Typing II, 1, Human T lymphocytes, Reinherz, E.L., et al., Eds., Springer-Verlag New York Inc., 1985, p. 260–288.

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