



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse anti Human CD45RO: RPE-Cy5

Catalog No.
DS-MB-03097

Target Species
Human

Isotype
IgG2a

Synonyms

CD45

Preparation

Immunogen: Human IL-2 dependent T cells

Purification: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Fusion Partners: Spleen cells from immunized mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to RPE-Cy5 - liquid

Buffer: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide, 0.5 % Bovine Serum Albumin

Approx. Protein Concentration: IgG concentration 0.2 mg/ml

Specificity

DS-MB-03097 recognises the low molecular weight isoform (180kD) of the leukocyte common antigen (LCA). The antigen is expressed by a functional subset of T cells with memory phenotype. In peripheral blood stains 40-80% of lymphocytes and all monocytes and granulocytes.

Storage

Store at +4°C. **DO NOT FREEZE**

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of shipment

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Immunohistochemistry			•	
Functional Assays			•	
Flow Cytometry (1)	•			Neat

Note: Other applications are not tested yet. Optimal dilutions should be determined by the user.

(1) Use 5ul of the suggested working dilution to label 10^6 cells in 100ul.

References

1. Smith, S.H. et al. (1986) Functional subsets of human helper-inducer cells defined by a new monoclonal antibody, UCHL1. *Immunology* 58: 63-70.
2. Norton, A.J. et al. (1986) Monoclonal antibody (UCHL1) that recognises normal and neoplastic T-cells in routinely fixed tissues. *J. Clin. Pathol.* 39: 399-405.
3. Beverley, P.C.L. et al. (1986) T-cell subsets and function. *Progress in Immunology VI*. Cinader, B., Miller, G.G., eds. Academic Press Orlando pp 941-948.
4. Beverley, P.C.L. (1987) Human Tcell subsets. *Immunology Letters* 14: 263-267.
5. Terry, L.A. et al. (1987) Phenotypic heterogeneity of the CD4+ and CD8+ subsets. *Leucocyte Typing III*. McMichael, A.J., Beverley, P.C.L. et al. eds. University Press. pp 225-227.

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