



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Mouse anti Human CD45RO: RPE

Catalog No.
DS-MB-03096

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

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 R. Phycoerythrin (RPE) - lyophilized

Reconstitution: Reconstitute in 0.25 ml distilled water

Preservative Stabilizers: 0.09% Sodium Azide, 1 % Bovine Serum Albumin

Specificity

DS-MB-03096 recognizes 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

Prior to reconstitution store at +4°C. Following reconstitution 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: 12 months from date of reconstitution

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



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

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)	•			

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

(1) Use 10ul of the suggested working dilution to label 10⁶ 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.

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