Certificate of Analysis and Data Sheet

Mouse anti Human CD45RO: FITC

Catalog No.	Target Species	Isotype
DS-MB-03095	Human	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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Buffer: Phosphate buffered saline pH 7.2
Preservative Stabilizers: 0.09%Sodium Azide, 1 %Bovine Serum Albumin
Approx. Protein Concentration: IgG concentration 0.1 mg/ml

Specificity

DS-MB-03095 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

Store at +4°C or at -20°C if preferred.
Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. 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

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 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood

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.