



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti-Human CD52:RPE

Catalog No.
DS-MB-03659

Species
Human

Isotype
IgG2b

Preparation

Synonyms: CDW52, HE5

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

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

Reconstitution: Reconstitute with 1 ml distilled water

Buffer Solution: Phosphate buffered saline

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

Specificity

This product reacts with the human CD52 antigen, also known as CAMPATH-1. The CD52 antigen is a remarkably small peptide that is heavily glycosylated, and attached to the cell surface membrane via a GPI link. The apparent molecular mass of the antigen on SDS-PAGE is 25-29kD.

CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.

Humanised versions of CAMPATH-1 specific antibodies are currently in clinical trials for the treatment of a range of lymphoid malignancies.

Species Cross Reactivity: Reacts with Rhesus Monkey

N.B. Antibody reactivity and working conditions may vary between species

Applications

Table Summary of antibody applications and working conditions

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

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

(1) Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul Method sheets are available on request.

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



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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.

Reference

1. Hale, G. *et al.* (1998) Improving the Outcome of Bone Marow Transplantation by using CD52 Monoclonal Antibodies to prevent graft-versus-host disease and graft rejection. *Blood* 92: 4581-4590.
2. Salisbury, J.R. *et al.* (1994) Immunohistochemical analysis of CDw52 antigen expression in non-hodgkins lymphomas. *J. Clin. Path.* 47: 313-317.
3. Rodig, S. *et al.* (2006) Heterogeneous CD52 expression among hematologic neoplasms: implications for the use of alemtuzumab (CAMPATH-1H). *Clin. Cancer Res.* 12: 7174-7179.

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