



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human CD52, RPE-labeled

Catalog No. DS-MB-03133	Target Species Human	Isotype IgG2b
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Preparation

Purified IgG prepared by affinity chromatography on Protein A
Synonyms: CDW52, HE5

Formulation

Product Form: Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized
Product Type: Monoclonal Antibody
Reconstitution: Reconstitute in 0.25 ml distilled water
Buffer Solution: Phosphate buffered saline
Preservative Stabilizers: 0.09% Sodium Azide (NaN₃), 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.

Applications

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

Note: Other applications have not been tested. Optimal dilutions should be determined.
(1) Use 10ul of the suggested working dilution to label 1 x 10⁶ 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

References

1. Hale, G and Rebello, P. (1997) CD52 workshop panel report. In Leucocyte Typing VI: White Cell Differentiation Antigens. Edited by Kishimoto, T. *et al.* Oxford University Press pp 514 - 517.
2. Hale, G. (2001) Cd52 (Campath1). *J. Biol. Regul. Homeost. Agents.* 15 (4): 386 - 391.
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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