



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human CD52 With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03131

Target Species
Human

Isotype
IgG2b

Preparation

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

Formulation

Product Form: Purified IgG - liquid
Product Type: Monoclonal Antibody
Buffer Solution: Phosphate buffered saline
Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations: IgG concentration 1.0mg/ml

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 Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry	•			1/50 - 1/100
Immunohistology - Paraffin		•		
ELISA			•	

Note: Other applications have not been tested. 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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Secondary Antibody Applications

<div>Options</div> <div>Functions</div>	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

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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