



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-Rat CD44

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00676

Target Species
Rat

Isotype
IgG1

Preparation

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

Immunogen: Rat T cell blasts

Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSO/1 myeloma cell line.

Formulation

Product Form: Purified IgG - liquid

Product Type: Monoclonal Antibody

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1 mg/ml

Specificity

This product recognises the rat CD44 cell surface antigen, expressed by T cells, B cells, macrophages and thymocytes.

CD44 is a glycoprotein of 85kD, with expression being increased following activation.

Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Flow Cytometry (1)	•			1/50
Immunohistology - Frozen	•			
Immunohistology - Paraffin		•		
Elisa			•	

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

(1) Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

**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

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

Storage

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

This product should be stored undiluted. 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. Stevenson, K.S. *et al.* (2009) Isolation, characterization, and differentiation of thy1.1-sorted pancreatic adult progenitor cell populations. *Stem Cells Dev.* 18:1389-98.

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