



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Mouse Anti-Human CD44v6:FITC

**Catalog No.**  
DS-MB-03074

**Target Species**  
Human

**Isotype**  
IgG1

## Preparation

**Fusion Partners:** Spleen cells from immunized BALB/c mice were fused with cells of the P3X63Ag8.653 myeloma cell line.

**Immunogen:** Glutathione S Transferase (GST) fusion protein corresponding to the variable domains (v3 to v10) of human CD44.

## Specificity

This antibody specifically recognizes an epitope encoded by exon v6 on the variant portion of human CD44.

## Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Buffer Solution:** Tris buffered saline

**Preservative Stabilizers:** 0.02% mM Sodium Azide (NaN<sub>3</sub>), 1% Bovine Serum Albumin

**Approx. Protein Concentrations:** IgG concentration 0.1mg/ml

## Applications

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

**Note: Other applications are not tested yet. Optimal dilutions should be determined.**  
(1) Use 10ul of the suggested working dilution to label 10<sup>6</sup> 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**

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

This product should be stored undiluted.

Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.

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. Neumayer, R. *et al.* (1999) CD44 expression in benign and malignant colorectal polyps. *Dis. Colon. Rectum.* 42: 50-55.
2. Koopman, G. *et al.* (1993) Activated human lymphocytes and aggressive non-Hodgkin's lymphomas express a homologue of the rat metastasis-associated variant of CD44. *J. Exp. Med.* 177: 897-904.
3. Yoo, S.H. *et al.* (2005) Expression patterns of markers for type II pneumocytes in pulmonary sclerosing hemangiomas and fetal lung tissues. *Arch. Pathol. Lab. Med.* 129: 915-919

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