



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Rat Anti Mouse CD49b:Biotin

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-00739

**Target Species**  
Mouse

**Isotype**  
IgM

### Synonyms

Integrin Alpha 2 Chain, VLA-2

### Preparation

**Immunogen:** RIL-2 propagated NK1.1+ cells from C57BL/6 mice.

**Fusion Partners:** Mouse SP2/0 myeloma line.

### Specificity

DS-MB-00739 recognizes mouse CD49b, a 160kD cell surface antigen expressed by NK cells and a small subset of T-cells. Clone DX5 stains NK cells from all mouse strains tested including Balb/c mice.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgM conjugated to Biotin - liquid

**Buffer Solution:** Phosphate buffered saline pH7.4

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

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

### Storage

Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

### Flow Cytometry

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.**



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### Applications

**Table Summary of antibody applications and working conditions**

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistology - frozen			.	
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry	.			
Immunofluorescence staining			.	
Neutralization			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Secondary Antibody Applications

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

### References

1. Arase, H. *et al.* (2001) Cutting edge: the mouse NK cell-associated antigen recognized by DX5 monoclonal antibody is CD49b (alpha 2 integrin, very late antigen-2) *J. Immunol.* 167: 1141 - 1144.

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