



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Rat Anti-Mouse SIGN-R1, Biotinylated

**Catalog No.**  
DS-MB-03962

**Species**  
Mouse

**Isotype**  
IgM

## Preparation

**Synonyms:** Cire

**Immunogen:** Isolated C3H thymic stromal cells

**Preparation:** Ig fraction prepared by ammonium sulphate precipitation

**Fusion Partners:** Spleen cells from immunized rats were fused with cells of the Mouse P3-X63-Ag8.563 myeloma cell line.

## Formulation

**Product Type:** Monoclonal Antibody

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

**Buffer Solution:** Phosphate buffered saline

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

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

## Applications

| Options / Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|---------------------|-----|----|----------------|--|
| Flow Cytometry (1)  | •   |    |                | Neat – 1/5                                 |

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

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

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



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### ***Specificity***

DS-MB-03962 recognizes mouse SIGN-R1, a C-type lectin that has been identified as a murine homologue of the human DC-SIGN related molecule, L-SIGN. Mouse SIGN-R1 is specifically expressed on marginal zone macrophages in the spleen, medullary and subcapsular sinus macrophages in the lymph nodes, and at lower levels on liver sinusoidal endothelial cells. SIGN-R1 has not been detected on murine dendritic cell populations. Like many C-type lectins, SIGN-R1 functions as a pathogen recognition receptor in vivo and plays an important role in defense against pathogens.

### ***Storage***

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

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 12 months from date of dispatch.

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