



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti-Canine THY-1 With HRP-Conjugated Second Antibody

Catalog No.
DS-MB-00931

Target Species
Dog

Isotype
IgG2b

Preparation

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

Immunogen: Con A stimulated canine T cells

Fusion Partners: Spleen cells from immunized DA rats were fused with cells of the rat Y3/Ag1.2.3 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Preservative Stabilizers: 0.09% Sodium Azide

Specificity

DS-MB-00931 recognizes the canine Thy-1 cell surface antigen, a 20-30kD glycoprotein expressed by monocytes and T lymphocytes.

The antibody has been reported to deplete T cells *in vivo*, and to block Con A driven T cell proliferation *in vitro*.

Applications

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|----------------------|-----|----|----------------|--|
| Flow Cytometry (1) | • | | | 1/50 |
| Western Blotting | | | • | |
| Functional Assays | | | • | |
| Immunoprecipitation | • | | | |
| Elisa | | | • | |

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

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

**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. 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

Reference

1. Cobbold, S. and Metcalfe, S. (1994) Monoclonal antibodies that define canine homologues of human CD antigens: summary of the First International Canine Leukocyte Antigen Workshop (CLAW). Tissue Antigens 43: 137-154.

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