



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Rat Anti-Mouse CD137L With HRP-Conjugated Secondary Antibody

**Catalog No.**  
DS-MB-00333

**Target Species**  
Mouse

**Isotype**  
IgG1

### Preparation

**Synonyms:** CD137L, CD157L, LY63L

**Purification:** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

**Immunogen:** CD137L-Fc Fusion Protein

### Specificity

DS-MB-00333 recognizes murine CD137L (4-1BBL), a 50kD type 2 transmembrane protein, which is a member of the TNF superfamily. In mice CD137L is expressed on activated T-cells, B-cells, macrophages and dendritic cells. Interaction of CD137L with its receptor CD137 (4-1BB) is reported to be involved in T and B cell growth and T cell effector function.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

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

**Preservative Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ )

**Approx. Protein Concentrations:** IgG concentration 1.0 mg/ml

### Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Immunoprecipitation	•			
Flow Cytometry (1)	•			1/10 - 1/50
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.**



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### Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:2000-1:5000

### 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. 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. Goodwin, R.G. *et al.* (1993) Molecular cloning of a ligand for the inducible T cell gene 4-1BB: a member of an emerging family of cytokines with homology to tumor necrosis factor. *Eur. J. Immunol.* 23: 2631-41.

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