



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti Human TNF-Alpha

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02435

Target Species
Human

Isotype
IgG1

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentration: IgG concentration 1.0 mg/ml

Preparation

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

Specificity

DS-MB-02434 recognizes human Tumor Necrosis Factor - alpha (TNF alpha), also known as TNFSF2. This 17kDa cytokine is expressed by activated macrophages, monocytes, neutrophils, T cells and NK cells.

Storage

Store at -20°C only. Storage in frost-free freezers is not recommended. 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.

**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	•			1ug/ml - 5ug/ml
Flow Cytometry (1)	•			1/10 - 1/50
Immunohistology - frozen			•	
Western Blot			•	
Functional Assays			•	

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

(1) Flow Cytometry

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

References

1. Warren H. *et al.* (1995) Production of IL-5 by human NK cells and regulation of IL-5 secretion by IL-4, IL-10 and IL-12. *J. Immunol.* 154:5144-5142.

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