

### RayBiotech, Inc.

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## Certificate of Analysis and Data Sheet

# Rat Anti Human TNF-Alpha: Azide Free

With HRP-conjugated Secondary Antibody

Catalog No.Target SpeciesIsotypeDS-MB-02434HumanIgG1

#### **Formulation**

**Product Type:** Monoclonal Antibody **Product Form:** Purified IgG - liquid

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

**Preservative & Stabilizers:** None present

**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.



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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	•			5ug/ml - 10ug/ml
Flow Cytometry (1)	•			
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<sup>6</sup> cells in 100ul.

#### References

- 1. Kadowaki N *et al.* (2000) Natural interferon alpha/beta-producing cells link innate and adaptive immunity. J. Exp. Med. 192: 219-225.
- 2. Butler D. *et al.* (1997) DBA/1 mice expressing the human TNF-alpha transgene develop a severe erosive arthritis. J. Immunol. 159: 2867-2876.
- 3. Abrams J. (1995) Immunoenzymatic assay of mouse and human cytokines using NIP-labelled anticytokine antibodies. Edited by Coligan J. *et al.* John Wiley and Sons.