



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human TNF Beta

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03428

Species
Human

Isotype
IgG2b

Preparation

Synonyms: TNFB, TNFSF1

Immunogen: Recombinant human TNF

Preparation: Purified IgG prepared by affinity chromatography on Protein G

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Specificity

DS-MB-03428 is specific for human tumor necrosis factor beta (TNF beta), also known as lymphotoxin alpha (LT-alpha), a homotrimeric polypeptide secreted by activated T and B lymphocytes, which binds to the TNF receptors TNFR1, TNFR2 and HVEM (herpes virus entry mediator receptor).

TNF-beta was originally isolated due to its cytotoxic effects on tumor cells, and has since been identified as a regulator of many cellular processes and a potent mediator of inflammation and immune responses against invading pathogens.

DS-MB-03428 recognizes both the natural and recombinant forms of TNF beta, and can be used to stain TNF beta producing cells, using immunoperoxidase or immunofluorescence techniques.

Storage

Store at +4°C or at -20°C if preferred. 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			▪	
Western Blot			▪	
Flow Cytometry			▪	
Immunofluorescence	▪			2.0 - 10.0ug/ml

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

Reference

1. Pfeffer, K. (2003) Biological functions of tumor necrosis factor cytokines and their receptors. Cytokine Growth Factor Rev. 14: 185-191. .

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