RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross,GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Mouse Anti-Francisella tularensis LPS

With HRP-conjugated Secondary Antibody

Catalog No.	Target Species	Isotype
DS-MB-01344	Bacterial	IgG3

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein G

Specificity

DS-MB-01344 reacts with an LPS antigen present in *Francisella tularensis* (30 strains tested), no cross reactivity is noted with LPS from *Y. pestis, Y. pseudotuberculosis, Y.enterolitica, V.cholerae, V.eltor, E. coli. F. novicida, S. typhi or Brucella spps.*
F. tularensis is a pathogenic gram negative, non motile bacterium. It is the causitive agent of the zoonotic disease Tularemia, also known as rabbit fever.

Formulation

Product Type: Monoclonal Antibody
Product Form: Purified IgG - liquid
Buffer Solution: TRIS buffered saline
Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry			•	
Elisa	•			
Western Blotting			•	
Immunofluorescence	•			

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

RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross,GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

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.

References

1. Clemens, D.L. *et al.* (2004) Virulent and avirulent strains of Francisella tularensis prevent acidification and maturation of their phagosomes and escape into the cytoplasm in human macrophages. Infect Immun. 72: 3204-3217.
2. Clemens, D.L. *et al* (2005) Francisella tularensis enters macrophages via a novel process involving pseudopod loops. Infect Immun. 73: 5892-5902.