



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 Human D-Dimer

With HRP-conjugated Secondary Antibody

Catalog No.

DS-MB-01445

Target Species

Human

Isotype

IgG2a

Preparation

Immunogen: Homogenised fibrin clot

Purification: Purified IgG prepared by affinity chromatography on Protein A

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cell line

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentration: IgG concentration 1.0 mg/ml

Specificity

DS-MB-01145 is specific for human D-dimer and high molecular weight fibrin degradation products, but does not cross-react with fibrinogen (D-monomer).

D-dimers are the principle degradation products of cross-linked fibrin, released into the bloodstream following the digestion of fibrin clots (thrombus) by the enzyme plasmin, and thus measurement of the level of D-dimer in plasma, can be used as an indication of thrombotic disorders. Conditions in which levels of D-dimer are elevated include deep vein thrombosis (DVT), venous thromboembolism (VTE), cardiovascular disease and disseminated intravascular coagulation (DIC), a possible acute condition arising from surgical operations, septic shock and liver disease.

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 shipment

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting	•			
Functional Assays			•	
Immunohistochemistry			•	
Immunoprecipitation			•	
Immunofluorescence			•	

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

References

1. Rowbotham, B.J. *et al.* (1987) Measurement of crosslinked fibrin derivatives--use in the diagnosis of venous thrombosis. *Thromb. Haemost.* 57: 59-61.
2. Kruskal, J.B. *et al.* (1992) Elevated fibrin-related and fibrinogen-related antigens in patients with liver disease. *Hepatology.* 16: 920-923.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**