



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

MOUSE ANTI HUMAN C4B

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00160

Species
Human

Isotype
IgG1

Preparation

Preparation: Protein A chromatography

Immunogen: Native

Specificity

DS-MB-00160 recognises the basic form of complement factor 4 (C4), part of the classical complement activation pathway. C4 is expressed as a single chain precursor. This is post-translationally modified to form a disulphide linked trimer of alpha, beta and gamma chains with an intra-chain thioester bond in the alpha chain, prior to secretion.

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 Concentrations: IgG concentration 1.0 mg/ml

Storage

18 months from date of despatch

Store at $+4^\circ\text{C}$ or at -20°C if preferred.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Avoid repeated freezing and thawing as this may denature the antibody.

**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 Blotting			.	
Immunohistology - frozen			.	
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorescence staining			.	
Neutralization			.	

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) Lhotta, K. *et al.* (1996) Glomerular deposition of the complement C4 isotypes C4A and C4B in glomerulonephritis. *Nephrol Dial Transplant.* 11: 1024-1028.
- 2) O'Neill, G.J. *et al.* (1978) Two HLA-linked loci controlling the fourth

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