



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human C3b With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00154

Target Species
Human

Isotype
IgG1

Preparation

Synonyms: CPAMD1

Immunogen: Human C3b

Purification: Purified IgG prepared by affinity chromatography on Protein A

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - lyophilized

Reconstitution: Reconstitute with 1.0 ml distilled water

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09 % Sodium Azide (NaN_3), 0.5% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 50 ug/ml after reconstitution

Specificity

This product is specific for C3b, part of the complement system. C3 is cleaved by C3-convertase creating C3a and C3b, which binds to the surface of pathogens leading to their destruction by phagocytic cells. This antibody recognizes a determinant present on native (circulating) C3 and on the fragments C3b and C3c. The antibody is directed to a determinant present on the betachain of the C3 molecule (Western blot). It does not react with the anaphylatoxin C3a or the fragment C3d and does not inhibit the haemolytic function of C3.

Storage

Prior to reconstitution store at +4°C.

After reconstitution 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: 12 months from date of reconstitution.

References

1. Hallström, T. *et al.* (2011) Immune Evasion of *Moraxella catarrhalis* Involves Ubiquitous Surface Protein A-Dependent C3d Binding. *J Immunol.* 186: 3120-9.

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



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry			•	
Immunohistology - Frozen	•			1/10
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Western Blotting			•	
Elisa	•			

Note: Other applications have not been tested. Optimal dilutions should be determined.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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