9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

C3b Rabbit

Complement C3b Rabbit
RCP0287

Product Overview

Name	C3b Rabbit

Description

Complement C3b Rabbit

Synonyms

Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, C3, CPAMD1.

Source

Rabbit serum.

Physical Appearance

Sterile Filtered solution.

Formulation

C3b Rabbit solution contains PBS, pH 7.2.

Stability

C3b is stable at 4°C if entire vial will be used within 2-4 weeks. Store, frozen below -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 93.0% as determined by SDS-PAGE.

Background

Rabbit C3b serves as a critical opsonin, enhancing the recognition and engulfment of pathogens and immune complexes by phagocytic cells. Through its covalent attachment to target surfaces, C3b facilitates the recognition of foreign antigens and promotes their clearance by the immune system. C3b contributes to the inflammatory response by generating C5 convertase complexes, leading to the cleavage of C5 into C5a and C5b. C5a is a potent chemoattractant and activator of immune cells, promoting the recruitment of neutrophils and macrophages to sites of infection or tissue damage.

Precautions

C3b Rabbit is for research use only and not for use in diagnostic or therapeutic procedures.

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