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C3b Inactivated Mouse

Complement C3b Inactivated Mouse
RCP0285

Product Overview

Name	C3b Inactivated Mouse

Description

Complement C3b Inactivated Mouse

Synonyms

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

Source

Mouse serum.

Physical Appearance

Sterile Filtered solution.

Formulation

C3b Mouse Inactivated solution contains 10mM sodium phosphate and 145mM NaCl, pH 7.2

Stability

C3b Mouse Inactivated 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 85.0% as determined by SDS-PAGE.

Background

Complement component 3b (C3b) is a key protein in the complement system, a crucial component of the innate immune response. C3b plays a pivotal role in opsonization, inflammation, and clearance of pathogens and damaged cells. In mouse models, research on C3b has provided valuable insights into its mechanism of action, activity, and implications in immune function. This paper aims to delve into the dynamics of mouse C3b, shedding light on its functional attributes and potential applications in immunological research. C3b Inactivated protein has lost its biological capabilities due to structural changes compared to C3b that has binding sites to factor P, factor H, factor B, factorC5, and factor-I and therefore it destroys these sites. Significantly, C3b inactivated protein cannot bind factor B and is therefore it cannot participate in complement activation. C3b inactivated protein still binds tC50 properdin and CR3 receptor.

Precautions

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

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