

C3 Human

Complement C3 Human
RCP0279

Product Overview

Name C3 Human

Description

Complement C3 Human

Accession (Primary) [P01024](#)

Synonyms

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

Introduction

C3 is central to the activation of all 3 pathways of complement activation. Initiation of each pathway generates proteolytic enzyme complexes which binds the target surface. These enzymes cleave a peptide bond in C3 releasing the anaphylatoxin C3a and activating C3b. Most of the C3 activated during complement activation never attaches to the surface due to its thioester reaction with water forming fluid phase C3b which is rapidly inactivated by factors H and I forming iC3b. Surface-bound C3b is necessary in all 3 pathways for efficient activation of C5 and formation of C5b-9 complexes that lyse the target cell membrane.

Source

Mouse Plasma.

Physical Appearance

Sterile filtered solution.

Formulation

C3 solution contains phosphate buffer saline.

Stability

C3 Mouse 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.

Precautions

C3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P01024](#))
