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

C3 Mouse

Complement C3 Mouse
RCP0280

Product Overview

Name	C3 Mouse
Description	
Complement C3 Mouse	
Accession (Primary)	P01027
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 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P01027)