

Complement C3c from Human Plasma

np001103

Storage -80°C. Avoid freeze/thaw cycle.

Introduction

Complement C3 (C3) is the most abundant component of the complement system, with levels in human plasma of ~1.2-1.5 mg/ml. It is central to the activation of both the classical and alternative complement pathways, both of which lead to the proteolytic processing of C3 to C3a and C3b. C3 exists as a heterodimer with molecular masses of 115 kDa and 75 kDa, although it is readily processed to create C3a, C3b or C3c depending on the processed state.

Product Datasheet

Activity: Not biologically active.

Protein Determination: Extinction Coefficient (E) = 1.03 (0.1% at 280 nm, 1 cm pathway).

Testing: Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Each unit of plasma is tested by the supplier and found non-reactive for HIV-1/2, Hepatitis B surface antigen (HBsAg), Hepatitis C (HCV), Hepatitis A (HAV), and syphilis (RPR). Documentation of testing is maintained and is available upon request.