

## C3

### Native Human Complement C3c

<b>Catalog No.</b>	CRC164B CRC164C	<b>Quantity:</b>	1.0 mg 10 mg
<b>Alternate Names:</b>	Complement C3		
<b>Description:</b>	<p>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. High C3 levels are seen in highly acute or chronic inflammation, hepatic cholestasis and during the third trimester of pregnancy.</p> <p>Unwanted complement activation is a major cause of tissue damage in various pathological conditions and contributes to immune complex diseases.</p>		
<b>UniProt ID:</b>	P01024		
<b>Gene ID:</b>	718		
<b>Source:</b>	Human Plasma		
<b>Molecular Weight:</b>	138 kDa		
<b>Formulation:</b>	PBS, pH 7.4		
<b>Purity:</b>	>95% by SDS-PAGE		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280\text{nm}} = 1.03$		
<b>Application Notes:</b>	<b>Western blot:</b> reacts with C3 antisera, but not with C4 antisera Not active.		
<b>Storage &amp; Stability:</b>	Store as supplied at -80°C for up to 1 year.		
<b>Infectious Disease Statement:</b>	Prepared from plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

