

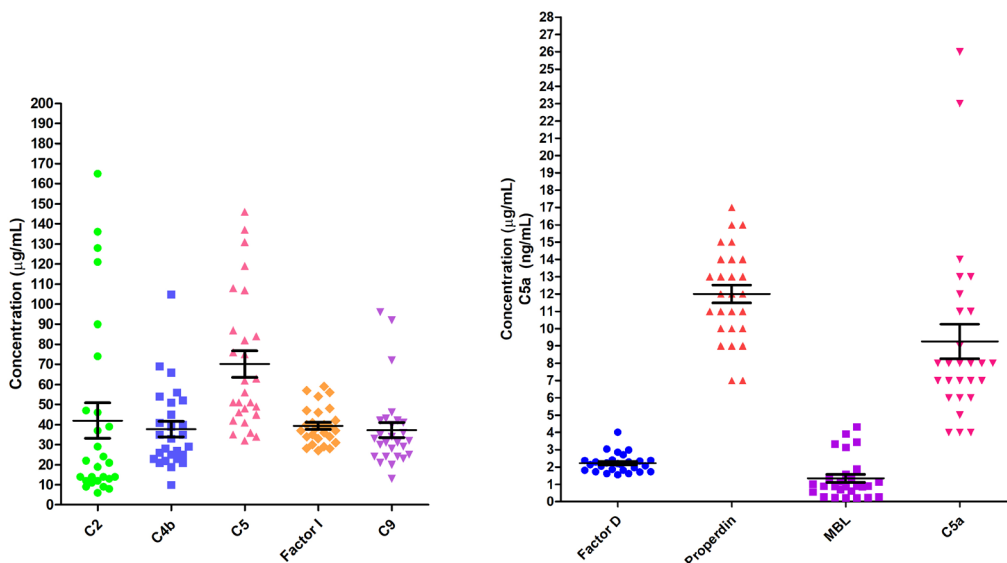
## Enhance Your Complement System Studies

With the new MILLIPLEX® Human Complement Expanded Panel 1

The complement system consists of three pathways: Classical, Mannose Binding Lectin (MBL), and Alternative. The new **MILLIPLEX® Human Complement Expanded Panel 1 (Cat. No. HCMPEX1-19K)** is a 9-plex panel that offers simultaneous detection of complement components, including the newly added Properdin and C9, across the three pathways. Along

with the **MILLIPLEX® Human Complement Panel 2 (Cat. No. HCMP2MAG-19K)**, a total of 15 complement components can be easily detected in a small sample volume. The MILLIPLEX® Human Complement panels offer fast evaluation of general complement activation, specific pathway activation, regulatory proteins, and inflammatory anaphylatoxins.

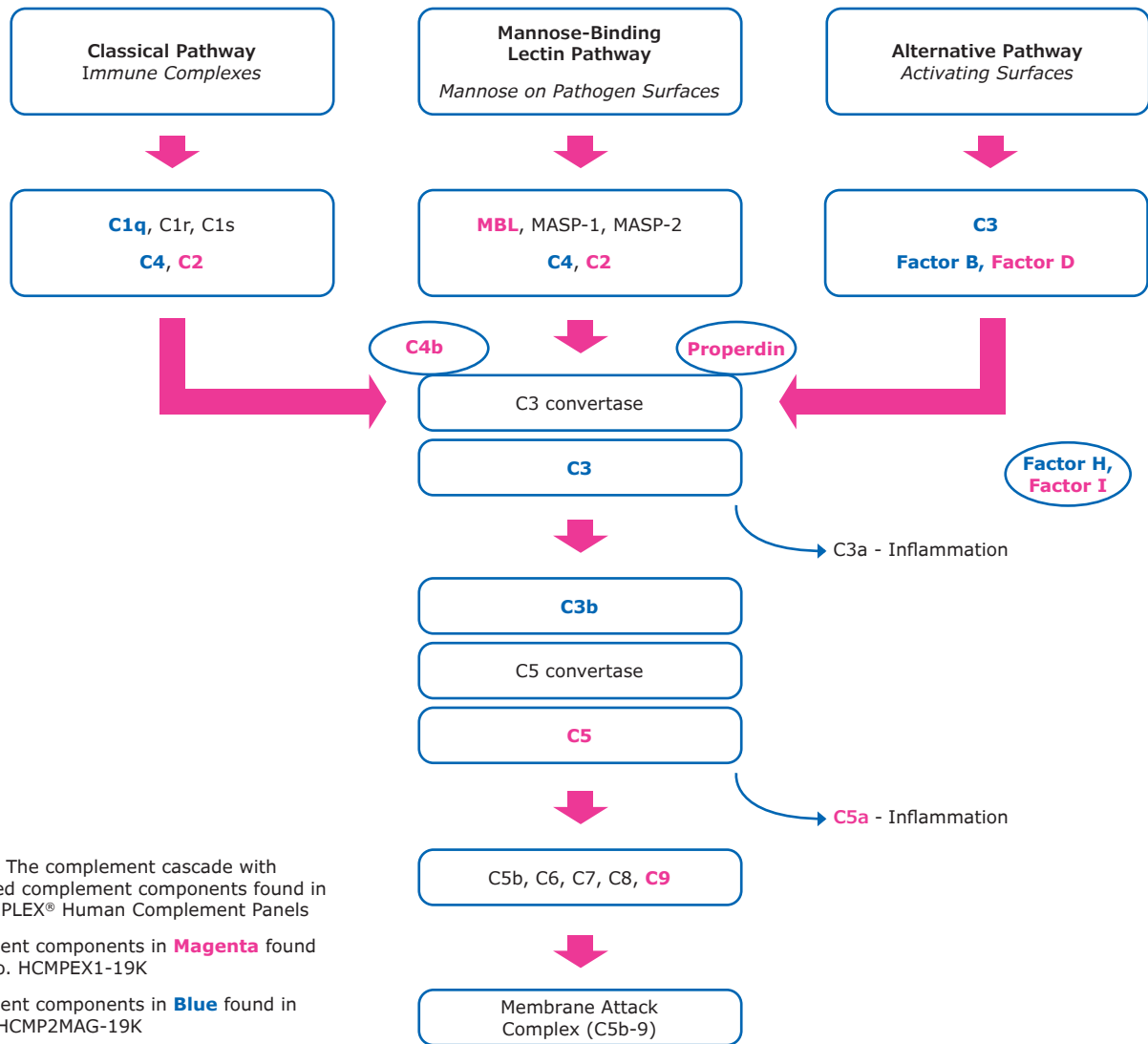
	MILLIPLEX® Human Complement Expanded Panel 1 <b>NEW!</b>	MILLIPLEX® Human Complement Panel 2
<b>Cat. No.</b>	<b>HCMPEX1-19K</b>	<b>HCMP2MAG-19K</b>
<b>Analytes Included</b>	Factor D, C2, C4b, C5, C5a, Factor I, MBL, <b>Properdin, C9</b>	C1q, C3, C3b, C4, Factor B, Factor H
<b>Sample Type</b>	EDTA Plasma (recommended), Serum, Cell/Tissue Culture Supernatants	
<b>Recommended Sample Dilution</b>	1:1,000	1:40,000
<b>Bead Premix Options</b>	Custom Premixing now available!	



**Figure 1.** Complement concentrations from healthy donor EDTA plasma samples (n=27) are shown measured in MILLIPLEX® Human Complement Expanded Panel 1 (Cat. No. HCMPEX1-19K).



## The Complement Cascade



**Figure 2.** The complement cascade with highlighted complement components found in the MILLIPLEX® Human Complement Panels

Complement components in **Magenta** found in Cat. No. HCMPEX1-19K

Complement components in **Blue** found in Cat. No. HCMP2MAG-19K

Explore more at [SigmaAldrich.com/milliplex-immunology](https://www.SigmaAldrich.com/milliplex-immunology)

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