

# TEST SUMMARY

## Soluble Complement 5b-9 (sC5b-9)

Elevations in soluble Complement 5b-9 (sC5b-9) have been associated with increased activation of the alternative complement pathway. Increased complement activation may be seen with aHUS and other TMAs, and may be a sensitive early predictor of the development of transplant associated TMA. In a cohort of 67 pediatric patients who had an allogeneic HSCT, an increase in sC5b-9 concentration from baseline had 100% sensitivity and 53% specificity for TA-TMA.

Please visit [machaondiagnostics.com](https://machaondiagnostics.com) for further information.

*Special Instructions: Process and freeze samples within one hour of collection. Transport under dry ice.*

*References: 1. Bombach AS et al. Clin J Am Soc Nephrol. 2012 May;7(5):748-56. Nicolas C et al. Pediatr Nephrol. 2014;29(1):85. 2. Mezö B, Horváth O, et al. Validation of Early Increase in Complement Activation Marker sC5b-9 as a Predictive Biomarker for the Development of Thrombotic Microangiopathy After Stem Cell Transplantation. Front. Med. 2020 Oct 6; 7:569291. doi: 10.3389/fmed.2020.569291. 3. Horváth O, Kállay K, et al. Early Increase in Complement Terminal Pathway Activation Marker sC5b-9 Is Predictive for the Development of Thrombotic Microangiopathy after Stem Cell Transplantation. Biol Blood Marrow Transplant 2018 May; 24(5):989-996.*

### SPECIMEN REQUIREMENTS

1 mL EDTA Plasma

### STABILITY

Frozen (-20C): 72 hours

Frozen (-80C): 6 months

### CPT CODE

86160

### METHODOLOGY

ELISA

### TURNAROUND TIMES

Routine TAT: <1 week

STAT TAT: <24 hours (7 days a week)

### ALTERNATIVE NAMES

soluble C5b-9

sC5b-9

soluble MAC

sMAC

Membrane Attack Complex

TCC

Terminal Complement

Complement Activation



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### ABOUT US:

Machaon Diagnostics is a clinical reference laboratory, specializing in coagulation, platelets, complement, genetics and rare disease.



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