BIOMARKER FOR ASSESSING THE RISK OF DEVELOPING ACUTE COVID-19 AND POST-ACUTE COVID-19

ABSTRACT

Disclosed herein are compositions, kits and methods for determining the concentration of fluid-phase MASP-2/C1-INH complex in a biological fluid, such as a biological fluid obtained from a subject infected with SARS-CoV-2. Also disclosed are methods of using said compositions, methods and kits for detection of MASP-2/C1-INH complex to determine the status of lectin pathway activation in a mammalian subject and thereby assess the risk of a subject that is or has been infected with SARS-CoV-2 for developing COVID-19-related ARDS or other poor outcome, or determine the need for treatment or efficacy of treatment of a subject in need thereof with a complement inhibitor such as a MASP-2 inhibitory agent.

Fig. 71