

Anti-S1 (MERS-CoV) Rabbit Polyclonal Antiserum

CATALOG NUMBER: MERS-S1-020, 100 µl

Introduction The Middle East respiratory syndrome coronavirus (MERS-CoV) is a novel positive-sense, single-

stranded RNA virus of the genus Betacoronavirus which is distinct from SARS coronavirus and the common-cold coronavirus. Proteins that contribute to the overall structure of all coronaviruses are the spike (S), envelope (E), membrane (M) and nucleocapsid (N). The S glycoprotein consists of a globular S1 domain at the N-terminal region, followed by membrane-proximal S2 domain, a

transmembrane domain and an intracellular domain

Applications WB, ELISA, etc

Description Anti-S1 (MERS-CoV) rabbit polyclonal antibody

Immunogen Full length recombinant spike (S1) protein (aa 1-725) of MERS-CoV (GenBank accession#

AFS88936.1)

Specificity React with spike protein of (MERS-CoV) only as tested

Storage Store at -20 °C; Stable for at least 1 month from the date of shipment at 4 °C.

Contents 100 µl rabbit anti-S1 serum with 0.1% sodium azide

Usage This product does not contain livestock or poultry disease agents, non-toxic/non contagious and

is not intended for human use, only for laboratory research and development.

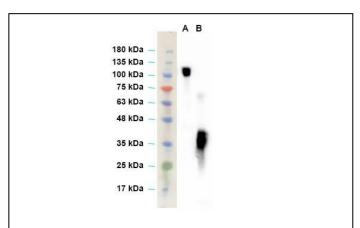


Figure 1. Western blot analysis of anti-S1 (MERS-CoV) rabbit polyclonal antibody (Cat# MERS-S1-020). A, full length S1)MERS-CoV) protein; B, receptor binding domain of S1 (MERS-CoV) protein.

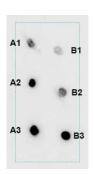


Figure 2. Dot blot analysis of anti-S1 (MERS-CoV) rabbit polyclonal antibody (Cat# MERS-S1-020). A1 (6 ng), A2 (12 ng), and A3 (50 ng), full length S1 (MERS-CoV) protein; B1 (6 ng), B2 (12 ng), and B3 (50 ng), receptor binding domain (MERS-CoV) of S1 protein.