

Bioassayplus Inc.

4510 Rhodes Dr. Windsor, Canada N8W 5K5

Certificate of Analysis

Important Note: Centrifuge before opening to ensure complete recovery of vial contents

Product name: Recombinant *M. tuberculosis* antigen MoeX

Catalog: MoeX

Description: *M. Tuberculosis* remains as the second cause of death from infectious diseases in the world. According to WHO report, there were an estimated 8.7 million new TB cases in 2011 and approximately 1.4 million TB-related death. Early and accurate diagnosis of active tuberculosis and differentiation of infection from BCG vaccinated individuals are immediate need in clinic.

Culture of *M. tuberculosis* from patient's specimen still is gold standard for its diagnosis, but it is time-consuming. *Moex* is a new marker defined from *M. tuberculosis* genome, it is secreted from the infected organ into blood. it circulates in blood flow and filtrates through into urine, it is considered as a potential reliable marker for *M. tuberculosis* diagnosis by urine screen test, suitable to screen large population . This antigen was also found as a useful marker to detect the specific antibody by infected *M tuberculosis*.

rMoeX protein is a 38kDa protein with a 6 x his tag attached at its C-terminus, it can be used a new marker to test *M tuberculosis*. For more information, please find from Journal of Clinical Microbiology, 2013, 51(5): 1367-1373.

Source: *E. coli*

Format: Purified liquid

Purification: >95% pure (12% SDS-PAGE, Coomassie stain), purified by proprietary chromatographic technique

Concentration: 0.75 mg/ml (10-2015)

Buffer: PBS with 25mM arginine

Preservative: 0.02% sodium azide

Applications: Immunoassay

Storage: Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

