

Antigen Mpt70 (M. Tuberculosis/H37Rv)



Product Name	Antigen Mpt70 (M. Tuberculosis/H37Rv)
Catalog No	IT-500-012Ep
Source	Recombinant protein purified from E.coli
Formulation	Each vial contains 100 µg of lyophilized protein in PBS with 8M Urea. Reconstitute the protein with 100 µl of Millipore water.
Protein	N-terminal GST fusion protein with C-terminal 6xHis tagged antigen Mpt70(Rv2875) (M. Tuberculosis/H37Rv)(a.a.1-197) (Genbank Accession No. NP_217391). Major secreted immunogenic protein MPT70 precursor (see citations below). Also similar to downstream ORFQ10790 MP83_MYCTU MPT83 MPB83 Rv2873 MT2940 MTCY274.04cell surface lipoprotein MPT83 precursor (lipoprotein P23) (220 aa), FASTA scores: opt: 806, E(): 1.2e-40, (70.25% identity in 185 aa overlap). Belongs to the MPT70 / MPT83family. Generally found as a monomer; homodimer in culture fluids.
Applications	WB standard, antibody ELISA, immunogen, etc.
Purity	>95% , based on SDS PAGE
Storage	Before reconstitution, stable for 1 year at -20°C from the date of shipment. After reconstitution, stable for a month at 4°C. Non-hazardous. No MSDS required.
Use Limitation	For research use only, not for use in diagnostic procedures.

