



# Recombinant M. tuberculosis 38kD, ESAT6, CFP10 Chimeric Protein (DAG-WT1089)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                       |
| <b>Conjugate</b>        | His                                                                    |
| <b>Applications</b>     | LF, FIA                                                                |
| <b>Molecular Weight</b> | 65 kDa                                                                 |
| <b>Format</b>           | Liquid                                                                 |
| <b>Concentration</b>    | Batch dependent - please inquire should you have specific requirements |
| <b>Size</b>             | 1 mg                                                                   |
| <b>Buffer</b>           | 25mM Tris-HCl, 0.02%SDS, pH 8.5                                        |
| <b>Preservative</b>     | None                                                                   |
| <b>Storage</b>          | Store at -20°C                                                         |

## BACKGROUND

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction</b> | Mycobacterium tuberculosis is a species of pathogenic bacteria in the family Mycobacteriaceae and the causative agent of tuberculosis. First discovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface primarily due to the presence of mycolic acid. This coating makes the cells impervious to Gram staining, and as a result, M. tuberculosis can appear either Gram-negative or Gram-positive. |
| <b>Keywords</b>     | Mycobacterium tuberculosis; TB; 38kD; ESAT6; CFP10                                                                                                                                                                                                                                                                                                                                                                                           |