

ESAT6, 1-95 aa, Mycobacterium tuberculosis, His tag, Baculovirus

Cat.NO.: TP02050

3th Edition

Synonyms: Early secretory antigenic target, 6 kDa.

Description: ESAT6, the 6 kDa early secretory antigenic target of Mycobacterium tuberculosis, is a secretory protein and potent T cell antigen. ESAT6 has been shown to directly bind to the TLR2 receptor, inhibiting downstream signal transduction. Recently it was shown that ESAT6 is very potential as diagnostic for differentiation between the mycobacterial infection and BCG vaccination.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol

Molecular Weight: 11 kDa (104aa)

Sequences:

ADPMTEQQWNFAGIEAAASAIQGNVTSIHSLLEDEGKQSLTKLAAAWGGSGSEAYQGVQQKW DATATELNNALQNL
ARTISEAGQAMASTE GNV TGMFAHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by BCA assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.