

**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:**

ADPMTEQQWNFAGIEAAASAIQGNVTSIHSLLDDEGKQSLTKLAAAWGGSGSEAYQGVQQKWDATATELNNALQNL  
ARTISEAGQAMASTEAGNVTGMFAHHHHHH

**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.