

## ***Streptococcus pyogenes* Transketolase (tkt)**

### **Antigen Specification**

**Product Number: 44600**

**Description:**

*Streptococcus pyogenes* transketolase (tkt; EC 2.2.1.1). Recombinant antigen for research use or manufacturing only.

**Immunological function:**

Binds IgG-, IgM, and IgA-type human antibodies.

**Origin:**

Recombinant. Expressed in *E. coli* bacterial cells.

**Expression construct:**

Full-length cDNA coding for *Streptococcus pyogenes* transketolase (tkt) fused to a deca-histidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 80%); Western blot with patient sample.

**Calculated molecular weight:**

79 kDa

**Calculated isoelectric point:**

pH 5.26

**Endotoxin content:**

Tested by LAL (Limulus Amoebocyte Lysate) chromogenic endotoxin assay.

**Immunological tests/Functionality:**

Immunodot analyses with positive/negative samples.

**Recommended buffer/storage and handling conditions:**

Recommendations for storage buffer: neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

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