

***Streptococcus pyogenes* Streptolysin O (slo)**

Antigen Specification

Product Number: 44700

Description:

Streptococcus pyogenes Streptolysin O (slo).
Recombinant antigen for in vitro research and manufacturing use 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* streptolysin O (slo) fused to a hexa-histidine purification tag. Toxin activity of the antigen has been removed by introduction of two P427L and W535F point mutations, which are known to abolish membrane pore formation seen for wild-type streptolysin O.

Biochemical tests:

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

Calculated molecular weight:

61 kDa

Calculated isoelectric point:

pH 6.34

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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