

## SLA/LP

### Antigen Specification

**Product Number: 30800**

**Description:**

Human SLA/LP protein; identical with antigens called "soluble liver antigen" (SLA) and "liver-pancreas antigen" (LP), respectively; identical with O-phosphoseryl-tRNA:selenocysteinyl-tRNA synthase (E.C. 2.9.1.2). Recombinant antigen for in vitro research and manufacturing use only.

**Immunological function:**

Binds IgG-type human auto-antibodies.

**Origin:**

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

**Expression construct:**

Partial cDNA coding for an epitope-carrying fragment of the SLA/LP protein fused to a hexa-histidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 90%); Western-Blot with i: anti-SLA/LP autoantibody-positive sample; ii: monoclonal anti-hexa-His-tag antibody.

**Calculated molecular weight:**

48 kDa

**Calculated isoelectric point:**

pH 8.8

**Immunological tests/Functionality:**

Immunodot analyses of positive/negative patient 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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