

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:selenocysteinyI-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 sera; 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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