

Ribosomal Phosphoprotein P0

Antigen Specification

Product Number: 14100

Description:

Human ribosomal phosphoprotein P0 (belongs to a group of antigens also called acidic ribosomal phosphoproteins or ribosomal P-proteins).

Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays.

Immunological function:

Binds IgG-type human auto-antibodies.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Expression construct:

Full-length cDNA coding for the human ribosomal P0 phosphoprotein fused to a hexa-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80 %); Western blot with i: SLE sera (Systemic Lupus Erythematosus); ii: monoclonal anti-hexa-His-tag antibody.

Calculated molecular weight:

35,096 Dalton

Calculated isoelectric point:

pH 6.2

Immunological tests/Functionality:

Standard ELISA test (checkerboard analysis of positive/negative sera panels).

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH; due to purification workup under denaturing conditions presence of up to 0.02 % SDS (or similar detergents) may be required for maintaining solubility. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

Coating concentration:

0.3–0.7 μ g/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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