

Recombinant Human SRP54

Antigen Specification

Product Number: 18400

Description:

Human SRP54.
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 SRP54 protein fused to a hexa-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80 %); Western Blot with i: myositis sera; ii: monoclonal anti-hexa-His-tag antibody.

Calculated molecular weight:

56,528 Dalton

Calculated isoelectric point:

pH 8.9

Immunological tests/Functionality:

Standard ELISA test (checker-board analysis of positive/negative sera panels); Immuno-Dot test with positive/negative sera panels

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

Coating concentration:

0.5-0.9 $\mu\text{g/ml}$ (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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