

Recombinant Human PM/Scl 100

Antigen Specification

Product Number: 16000

Description:

Human PM/Scl 100 protein component of the nuclear exosome or so-called polymyositis/scleroderma antigen protein complex.

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 human PM/Scl 100 fused to a hexa-histidine purification tag. Internal initiation site inactivated by point mutation of a single amino acid residue

Biochemical tests:

SDS-PAGE (purity > 70 %); Western-Blot with i: polymyositis patient sera; ii: monoclonal anti-hexa-His-tag antibody.

Calculated molecular weight:

101,644 Dalton

Calculated isoelectric point:

pH 8.7

Immunological tests/Functionality:

Standard ELISA test (checker-board 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:

0.4-0.8 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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