

## PM/Scl 75

### Antigen Specification

**Product Number: 17000**

**Description:**

Human PM/Scl 75 protein component of the nuclear exosome or so-called polymyositis/scleroderma antigen protein complex.  
Recombinant antigen for research use or manufacturing only.

**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 PM/Scl 75c- $\beta$  isoform fused to a hexahistidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 80%); Western blot with i: anti-PM/Scl 75 autoantibody-positive sample; ii: monoclonal anti-His-tag antibody.

**Calculated molecular weight:**

52 kDa

**Calculated isoelectric point:**

pH 5.46

**Immunological tests/Functionality:**

Immunodot analyses with positive/negative samples.

**Recommended buffer/storage and handling conditions:**

Recommendations for storage buffer: neutral to slightly alkaline pH and 0.02% SDS.  
Storage conditions: -70°C or below.  
Repeated freeze/thaw cycles should be avoided.

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