

## DNA Topoisomerase I (Scl-70; non recombinant; bovine)

### Antigen Specification

**Product Number: 11500**

**Description:**

Bovine DNA Topoisomerase I (Scl-70) antigen.  
Natural antigen for in vitro research and manufacturing use only.

**Immunological function:**

Binds IgG-type human auto-antibodies.

**Origin:**

Native. Purified from bovine tissues by protein-chemical methods.

**Biochemical tests:**

SDS-PAGE (purity > 70%); Western blot with anti-Scl-70 autoantibody-positive sample.

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard analysis of positive/negative samples); immunodot analyses with positive/negative 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.

**Coating concentration:**

0.5-0.8 µg/mL (depending on the type of ELISA plate and coating buffer).  
Suitable for labeling of functional groups.

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