



## Scl-70 Antigen (DAG-T1226)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Purified from bovine thymus. After coating onto ELISA plates the product will bind autoantibodies to Scl-70.
<b>Purity</b>	The Scl-70 autoantigen (75-82 kDa) is more than 90% pure, as assessed by SDS gel electrophoresis.
<b>Procedure</b>	None
<b>Concentration</b>	0.1-1.0 mg/ml.
<b>Size</b>	0.20 mg
<b>Preservative</b>	None
<b>Storage</b>	The product is stabilised with 20% glycerol and 0.1% Micr-O-protect. Store at -20°C or below (long term) or at +4°C (short term). Avoid repeated freezing and thawing. Mix thoroughly before use.

### BACKGROUND

<b>Introduction</b>	<p>DNA topoisomerase 1 is an enzyme that in humans is encoded by the TOP1 gene. This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22.</p>
<b>Keywords</b>	TOP1;Topoisomerase (DNA) I;Scl-70 Antigen;TOP1 Antigen;Topoisomerase (DNA) I Antigen;