



# Anti-Scl-70 Antigen polyclonal antibody (DPABHZ06)

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

## PRODUCT INFORMATION

<b>Specificity</b>	<p>This product has only the Anti-Scl-70 precipitin band when tested using double immunodiffusion against rabbit thymus extract. The titer obtained will vary with the test system; however, undiluted antibody shows a strong Anti-Scl-70 precipitin band.</p> <p>The specificity is verified by a precipitin line of identity with CDC-AF reference serum. This product shows no reactivity at a dilution of 1:100 when tested against purified nRNP, Ro/SS-A, La/SS-B, Sm, Mitochondrial, Ribosomal P or Jo-1 antigens in an ELISA system designed to detect all antibody classes.</p>
<b>Immunogen</b>	Single donor human plasma is delipidized and defibrinated, then the immunoglobulin fraction is precipitated and collected.
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Reconstitution</b>	2 ml Deionized water.
<b>Format</b>	Lyophilized Powder
<b>Size</b>	2 ml
<b>Buffer</b>	0.01M Phosphate, 0.13M NaCl, 0.02% Azide
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	After reconstituting, aliquot and store frozen at -20°C.

# BACKGROUND

## Introduction

The Scl-70 antigen is an abundant nuclear protein susceptible to proteolysis. It has been shown that the Scl-70 antigen can be obtained as an extractable immunoreactive fragment (70 kD) of a larger protein (100-105kD), which has been shown to be Topoisomerase I. Anti-Scl-70 antibodies were originally described as precipitating autoantibodies in sera of patients with a connective tissue disease.

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