



Anti-Sm Antigen polyclonal antibody (DPABHZ03)

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

PRODUCT INFORMATION

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

BACKGROUND

Introduction

Sm antigen is a non-histone nuclear protein composed of several polypeptides of differing molecular weights. They include B (26 kD), B' (27 kD), and D (13 kD). The principle reactivity has been shown to reside in the B, B', and D polypeptides. Anti-Sm autoantibodies were described originally as precipitating autoantibodies in sera of patients with Systemic Lupus Erythematosus.
