

**AR00133PU-N****Bovine Sm (Smith Antigen) - Aff - Purified**

<b>Alternate names:</b>	Human Autoantigens
<b>Quantity:</b>	1 kU
<b>Concentration:</b>	0.373mg/ml (OD280nm)
<b>Background:</b>	The sm (Smith) is an autoantigen on a series of particles composed of RNA and protein. Unlike RNP, the sm antigen is resistant to RNase, but partially sensitive to trypsin. It is involved in the pathogenesis of Systemic lupus erythematosus (SLE). Antibodies to sm are found in 20-30% of patients with SLE. This antibody recognizes cross-reactive epitopes on the B'/B and D polypeptides of Sm. It precipitates the small nuclear RNAs U1, U2, U4, U5, and U6 providing direct evidence that the Sm antigen resides on all these RNA-protein complexes.
<b>Species:</b>	Bovine
<b>Source:</b>	Spleen, Spleen/Thymus
<b>Format:</b>	<b>State:</b> Liquid purified <b>Purity:</b> Immobilized human anti-Sm immune globulins. Purification is verified by SDS PAGE. Other antigens (SSA, SSB, RNP, Scl-70, Jo-1) are not detected with ELISA assays. <b>Buffer System:</b> 0.01M Tris, 0.53M Sodium chloride containing 0.02% Sodium azide
<b>Applications:</b>	Use in standard solid phase immunoassays. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	Sm (Smith) Antigen <b>Biological Activity:</b> One unit of activity is the amount of antigen that will generate an absorbance of 1.2 when assayed using standard procedure for enzyme immunoassay. Activity will vary with assay conditions/protocols. <b>Specific Activity:</b> 1000 Units/ml
<b>Storage:</b>	Store the protein at -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.