

Major Antigens and Autoantibodies in Systemic Lupus Erythematosus:

Antigen	Molecular Structure	Prevalence
Native DNA	Double-strand DNA	75%-90%
Denatured DNA	Single-strand DNA	70%
Histones	H1, H2A, H2B, H3, H4	50%-70%
Nucleosome (chromatin)	DNA-histones complex	50%-90%
Sm	Proteins 29 (B'), 28 (B), 16 (D), and 13 (E) kD, complexed with U1, U2, and U4-U6 snRNAs; spliceosome component	15%-30%
Nuclear RNP (U1nRNP)	Proteins 70, 33 (A), and 22 (C) kD, complexed with U1 snRNA; spliceosome component	5%-40%
SS-A/Ro60	Protein 60, complexed with Y1-Y5 RNAs	24%-60%
SS-B/La	Phosphoproteins 48 kD, complexed with Y1 nascent RNA Pol transcripts	9%-35%
Ku	Proteins 86 and 66 kD, DNA-binding proteins	1%-39%
Ro52/TRIM21	Protein 52 kD, tripartite motif, E3 ubiquitin ligase	10%-25%
hnRNP protein A1	Nuclear protein 34 kD	31%-37%
PCNA	Protein 36 kD; auxiliary protein of DNA polymerase	3%
Ribosomal RNP	Phosphoproteins 38, 16, and 15 kD associated with ribosomes	10%-20%
Hsp-90	Heat-shock protein 90 kD	5%-50%
Golgi complex	Golgins, giantin	Unknown
HMG-17	DNA-associated proteins, 9 to 17 kD	34%-70%
Beta 2 glycoprotein I	Anionic phospholipids, cardiolipin	25%