



Human Ro/SS-A [His] (60 kDa) (DAG4849)

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

PRODUCT INFORMATION

Species	Human
Purity	>90% as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	62 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

Sj gren Syndrome, Subacute Cutaneous LE

The Ro/SS-A antigen is a ribonucleoprotein complex and consists of two major proteins of 52 and 60 kDa, complexed with one specific RNA chain (either hY1, hY2, hY3 or hY5, which all are transcripts of RNA polymerase III); the Ro/SS-A (60 kDa) protein is the RNA-binding protein in the complex. The cellular function of this complex is still unresolved, as is the question whether the antigen is primarily located in the cytoplasm or in the nucleus or even shuttles between the 2 compartments. Ro/SS-A antibodies occur with a prevalence of 60-90% in Sj gren syndrome patients, but also with a prevalence of 25-50% in SLE patients and higher prevalences in subacute cutaneous LE patients. Neonatal lupus syndrome (congenital heart

block, photosensitivity, skin lesions) is also associated with the presence of Ro/SS-A autoantibodies in the maternal and neonatal sera, in particular when these autoantibodies are directed to the 52-kDa antigen.

Keywords	Ro/SS-A; Ribonucleoprotein particle; Ro(SS-A)
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