

Ro/SS-A Antigen

Ro/SS-A Antigen (Ro-60/SS-A)

CATALOG # AAA14808	HOST Bovine spleen thymus	APPLICATIONS ELISA
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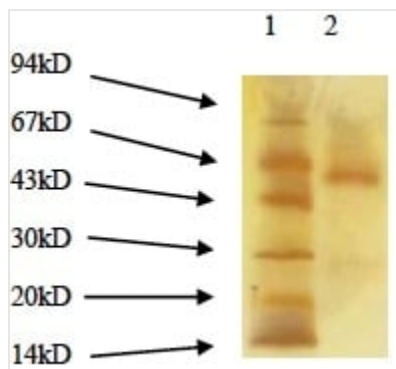
PRODUCT SYNONYMS

Ro/SS-A Antigen; Ro/SS-A Antigen (Ro-60/SS-A); Ro/SS-A Antigen antigen

PRODUCT SPECIFICATIONS

Host	Bovine spleen thymus
Purity/Purification	Purified by immunoaffinity chromatography using immobilized anti-SSAA-A(Ro)immunoglobulins. Other antigens (Sm, RNP, Scl-70, Jo-1) are not detected in ELISA assays. Homogeneity is verified by SDS PAGE.
Form/Format	Supplied as a liquid in 0.01M Tris, 0.53M sodium chloride, 0.02% sodium azide.
Concentration	0.132 mg/mL (varies by lot)
Applicable Applications for Ro/SS-A Antigen antigen	ELISA
Application Notes	Optimal dilutions to be determined by the researcher. This product as supplied is intended for research use only
Activity	1000u/ml
Unit Definition	One unit of activity is the amount of antigen that will generate an absorbance of 1.2 when assayed using standard procedure for ELISA. Activity will vary with assay conditions/ protocols.
Preparation and Storage	Aliquot and store at -70+/-10°C. Aliquots are stable for 6 months after receipt at 70+/-10°C.Avoid freeze-thaw cycles. Note: Product is unstable above 0°C.For maximum recovery of product, centrifuged the original vial after thawing and prior to removing the cap. Shipping: Ships with Dry Ice.

IMAGES



SDS-PAGE

Representative SDS-PAGE image: Lane 1: MW marker; Lane 2: AAA14808

ADDITIONAL INFORMATION

Related Product Information for Ro/SS-A Antigen antigen	The (Ro) SS-A antigen is comprised of an acidic 60kD protein that may also be associated with a RNA ranging in size from 80 to 112 bases (1). The antigenic activity of the (Ro) SS-A antigen appears to be independent of the RNA since the precipitin activity remains after treatment with RNase or separation from the RNA (1). Anti-(Ro) SS-A autoantibodies were described originally as precipitating autoantibodies in sera of Sjogren's Syndrome and Systemic Lupus Erythematosus patients. The presence of autoantibodies against the (Ro)SS-A antigen may be used as an aid. Elevated levels of Anti-(Ro) SS-A have been detected in as high as 96% of Sjogren's Syndrome patients (2), 49% of patients with Systemic Lupus Erythematosus (2), 83% of mothers of infants with isolated complete congenital heartblock or Neonatal Lupus Dermatitis, and over 75% of patients with Subacute Cutaneous Lupus. Recently, a strong correlation between low positive levels of Anti-(Ro) SS-A and subclinical dry eyes or mouth was found in a substantial portion of an elderly population (3). In addition, it has been shown that 70% of patients with (Ro) SS-A precipitating antibodies also have rheumatoid factor (4). The titer of rheumatoid factor and the concentration of Anti-(Ro) SSA have been closely correlated in Primary Sjogren's Syndrome (4). Recent developments in ELISA methodology have increased the sensitivity and the ability to quantitate patient antibody titers.
Product Categories/Family for Ro/SS-A Antigen antigen	Molecular Biology; MB-Autoimmune

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/bovine-antigen/ro-ss-a-antigen/14808>