**BACKGROUND**

Ro autoantigens are of clinical significance because antibodies directed against them are found in most patients with primary Sjogren syndrome, subacute cutaneous lupus erythematosus (SLE), neonatal lupus erythematosus, ANA-negative lupus erythematosus and systemic lupus erythematosus-like disease secondary to homozygous C2 or C4 complement deficiency. Ro/SSA is a ribonucleoprotein that binds to autoantibodies in 35 to 50% of patients with SLE and in up to 97% of patients with Sjogren syndrome. The Ro/SSA particle consists of a single immunoreactive protein noncovalently bound with one of four small RNA molecules. Most anti-Ro/SSA-positive sera have antibodies not only against the immunoreactive protein, but also against an Ro/SSA protein. La/SSB is an autoimmune RNA-binding protein that plays a role in the transcription of RNA polymerase III was originally defined by its reactivity with autoantibodies from patients with Sjogren syndrome and SLE.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: TROVE2 (human) mapping to 1q31.2; Trove2 (mouse) mapping to 1 F.

**SOURCE**

60 kDa Ro/SSA (AA-3) is a mouse monoclonal antibody raised against recombinant 60 kDa Ro/SSA of human origin.

**PRODUCT**

Each vial contains 100 µg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

60 kDa Ro/SSA (AA-3) is recommended for detection of 60 kDa Ro/SSA of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for 60 kDa Ro/SSA siRNA (h): sc-40918, 60 kDa Ro/SSA siRNA (m): sc-40919, 60 kDa Ro/SSA shRNA Plasmid (h): sc-40918-SH, 60 kDa Ro/SSA shRNA Plasmid (m): sc-40919-SH, 60 kDa Ro/SSA shRNA (h) Lentiviral Particles: sc-40918-V and 60 kDa Ro/SSA shRNA (m) Lentiviral Particles: sc-40919-V.

Molecular Weight of 60 kDa Ro/SSA: 60 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, Jurkat whole cell lysate: sc-2204 or A549 cell lysate: sc-2413.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:


**DATA**

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

For research use only, not for use in diagnostic procedures.