

## Bovine Sp100 Nuclear Antigen ELISA Kit | Sp100 elisa kit

Bovine Sp100 Nuclear Antigen ELISA Kit

CATALOG #  
**AAA92048**

REACTIVITY  
**Bovine**

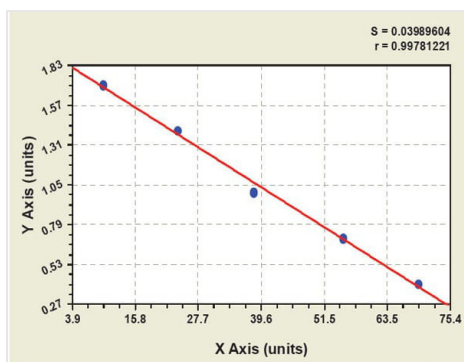
### PRODUCT SYNONYMS

Sp100 Nuclear Antigen; Bovine Sp100 Nuclear Antigen ELISA Kit; Sp100 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Competitive                                                                                                                                                                               |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                                |
| Intended Uses           | This Sp100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine Sp100. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Sp100 elisa kit

**Principle of the assay:** Sp100 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Sp100 antibody and an Sp100-HRP conjugate. The assay sample and buffer are incubated together with Sp100-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Sp100 concentration since Sp100 from samples and Sp100-HRP conjugate compete for the anti-Sp100 antibody binding site. Since the number of sites is limited, as more sites are occupied by Sp100 from the sample, fewer sites are left to bind Sp100-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Sp100 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for Sp100 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1255929                                                                                                           |
| NCBI GeneID                      | 6672                                                                                                              |
| UniProt Accession #              | P23497; O75450; Q13343; Q8TE34; Q96F70; Q96T24; Q96T95; B4DDX5; B8ZZD8; E7EUA7; E9PH61; F8WFE2                    |
| Molecular Weight                 | 50,032 Da                                                                                                         |
| NCBI Official Full Name          | Sp100, partial                                                                                                    |
| NCBI Official Synonym Full Names | SP100 nuclear antigen                                                                                             |
| NCBI Official Symbol             | SP100                                                                                                             |
| NCBI Official Synonym Symbols    | lysp100b                                                                                                          |
| NCBI Protein Information         | nuclear autoantigen Sp-100; speckled 100 kDa; SP100-HMG nuclear autoantigen; nuclear dot-associated Sp100 protein |
| UniProt Protein Name             | Nuclear autoantigen Sp-100                                                                                        |
| UniProt Gene Name                | SP100                                                                                                             |
| UniProt Entry Name               | SP100_HUMAN                                                                                                       |

**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.

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Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/sp100-nuclear-antigen/92048>