

## Rat Steroid 5 Alpha Reductase 1 ELISA Kit

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CATALOG #  
**AAA123002**

REACTIVITY  
**Rat**

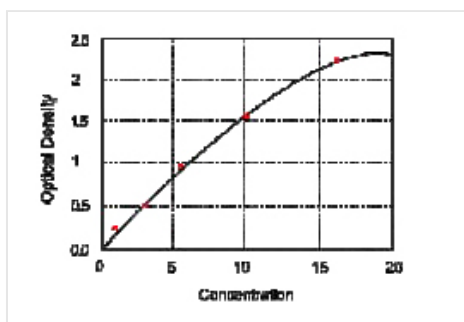
### PRODUCT SYNONYMS

Steroid 5 Alpha Reductase 1; Rat Steroid 5 Alpha Reductase 1 ELISA Kit; Steroid 5 Alpha Reductase 1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                              |
| Sequence Length         | 255                                                                                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernates, Cell Lysates, Tissue Homogenates                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                            |
| Detection Range         | 0.1ng/ml-40ng/ml                                                                                                                                                                                 |
| Sensitivity             | 0.043ng/ml                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%                              |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10% |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                                                                                                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Steroid 5 Alpha Reductase 1 elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Rat Sphingosine 1 Phosphate (also known as S1P) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principle of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat S1P antibody. S1P present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat S1P Antibody is added and binds to S1P in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated S1P antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat S1P. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                         |                             |
|-------------------------|-----------------------------|
| NCBI GI #               | 256807779                   |
| NCBI Official Full Name | steroid 5 alpha-reductase 1 |

**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/rat-elisa-kits/steroid-5-alpha-reductase-1/123002>