

## Sheep Prednisolone ELISA Kit | PNL elisa kit

Sheep Prednisolone ELISA Kit

CATALOG #  
**AAA95589**

REACTIVITY  
**Sheep**

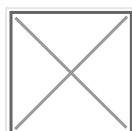
### PRODUCT SYNONYMS

Prednisolone; Sheep Prednisolone ELISA Kit; PNL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PDS. No significant cross-reactivity or interference between PDS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PDS and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PNL elisa kit

**Intended Uses:** This PDS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PDS. This ELISA kit for research use only, not for therapeutic or test applications!

**Principle of the Assay:** PDS ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PDS antibody and an PDS-HRP conjugate. The assay sample and buffer are incubated together with PDS-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 PDS concentration since PDS from samples and PDS-HRP conjugate compete for the anti-PDS antibody binding site. Since the number of sites is limited, as more sites are occupied by PDS from the sample, fewer sites are left to bind PDS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDS concentration in each sample is interpolated from this standard curve.

**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.