

Product Data Sheet

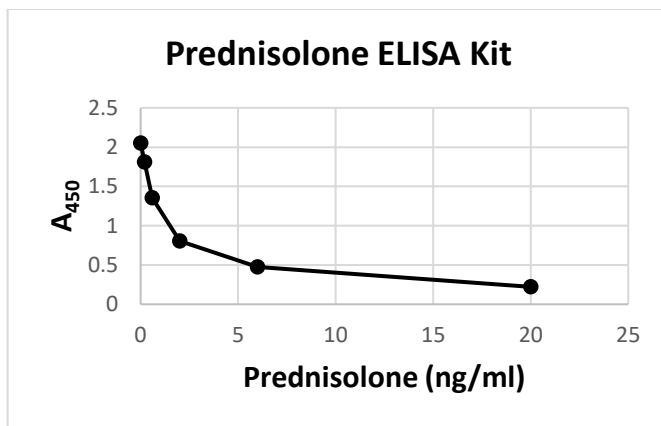
- Cat #PRED11-S
- Cat #PRED-HP

Rabbit anti-Prednisolone antiserum
Prednisolone-HRP conjugate

Size: 100 ul
Size: 1 mL

Prednisolone is a type of medicine known as a corticosteroid or steroid. Prednisolone is used to treat a wide range of health problems including allergies, blood disorders, skin diseases, infections, certain cancers and to prevent organ rejection after a transplant. It helps by reducing inflammation by dampening down your immune system, which can help in autoimmune illnesses like rheumatoid arthritis, where your immune system mistakenly attacks its own tissues.

ELISA using anti-Prednisolone antibody



| A450 | 2.052 | 1.811 | 1.354 | 0.805 | 0.474 | 0.222 |
|----------------------|-------|-------|-------|-------|-------|-------|
| Prednisolone (ng/ml) | 0 | 0.2 | 0.6 | 2 | 6 | 20 |

ELISA: ELISA microwell plates were coated with Goat anti-Rabbit IgG Fc antibody. 50 ul of Rabbit anti-Prednisolone was added to each well at a 1:10,000 dilution, 40 ul of Prednisolone HRP and 10 ul of Prednisolone standards. The plate was incubated for 1 hour and subsequently washed 3 times. TMB was added and incubated for 15 minutes and the reaction was stopped with sulfuric acid.

LOD: Lowest limit of detection is <100 pg/ml

Sensitivity may be further enhanced by adjusting incubation times, concentration of HRP, use of a plate shaker, use of a biotinylated Prednisolone reagent, or increased substrate development time.

Form and storage of Prednisolone antibody

Immunogen: Rabbit was immunized with Prednisolone conjugated to KLH by a proprietary spacer

Purification: N/A. For applications that require purified antibody, total IgG fraction may be collected on request

Anti sera

Solution

Supplied as unpurified whole serum

Lyophilized

Reconstitute powder in 100 ul distilled water

Storage

Short-term: 1 month at 4°C.

Long-term: at -20°C or below in suitable aliquots after reconstitution. Can be frozen, but avoid multiple freeze/thaw cycles. Glycerol may be added to a final concentration of 50% and stored un-aliquoted.

Stability: 24 months at -20°C or below.

Recommended Usage:

Lateral Flow: Assay dependent

ELISA: 1:20k-1:40k using an anti- Rabbit IgG Fc coated format

RIA: Assay dependent

The above concentrations are a suggestion, user's must optimize dilutions based on their own assay. The antibody may work in other applications not listed above.

Form and storage of Prednisolone -HRP conjugate

HRP conjugate solution

Supplied at 100 ug/ml in stabilizing buffer. Store at 4°C. Suggested working concentration from 100-500 ng/ml.

This product is for in vitro research use only.

Related Material available for ADI

| Catalog# | Description |
|----------|------------------------------------|
| DEX11-S | Rabbit anti-Dexamethasone antibody |
| DEX-HP | Dexamethasone-HRP conjugate |
| PRED11-S | Rabbit anti-Prednisolone antibody |
| PRED-HP | Prednisolone-HRP conjugate |
| 0090 | Dexamethasone ELISA Kit |
| 0095 | Prednisolone ELISA Kit |
| PRED11-S | 221229IA |