

Product Data Sheet

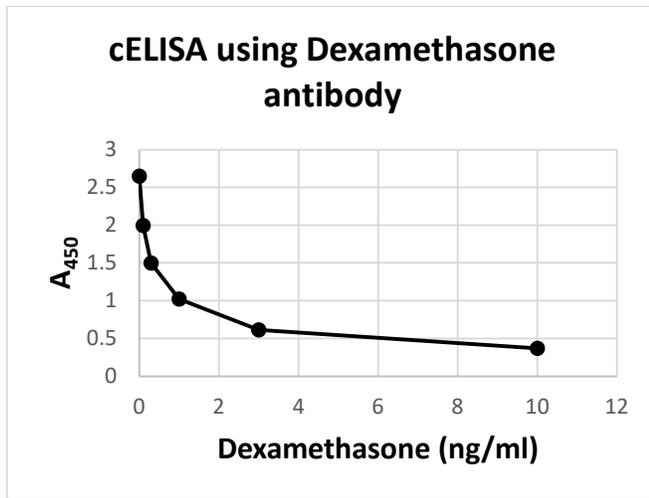
- Cat #DEX11-S
- Cat #DEX-HP

Rabbit anti-Dexamethasone antibody
Dexamethasone-HRP conjugate

Size: 100 ul
Size: 1 mL

Dexamethasone is a corticosteroid used in a wide range of conditions for its anti-inflammatory and immunosuppressant effects. It was tested in hospitalized patients with COVID-19 in the United Kingdom's national clinical trial RECOVERY and was found to have benefits for critically ill patients. According to preliminary findings shared with WHO, for patients on ventilators, the treatment was shown to reduce mortality by about one third, and for patients requiring only oxygen, mortality was cut by about one fifth.

ELISA using anti-Dexamethasone antibody



A450	2.646	1.993	1.497	1.022	0.614	0.37
Dexamethasone (ng/ml)	0	0.1	0.3	1	3	10

ELISA: ELISA microwell plates were coated with Goat anti-Rabbit IgG Fc antibody. 50 ul of Rabbit anti-Dexamethasone was added to each well at a 1:10,000 dilution, 40 ul of Testosterone 3-HRP and 10 ul of Dexamethasone 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 <50 pg/ml

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

Form and storage of Dexamethasone antibody

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

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

Neat 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 Dexamethasone -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
DEX11-S	0910201A