

Datasheet: 2330-5000

Description:	DONKEY ANTI CORTISOL
Specificity:	CORTISOL
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1/100
Radioimmunoassays	▪			1/100

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rainbow Trout

Based on sequence similarity, is expected to react with: Broad, Fish

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Approx. Protein

5.0 mg/ml

Concentrations

Immunogen Cortisol-3-(O-carboxymethyl) oxime-BSA

RRID AB_618797

Specificity **Donkey anti Cortisol antibody** recognizes the glucocorticoid hormone cortisol, produced in the adrenal cortex and involved in responses to stress.

The following cross reactivities have been observed:

Cortisol	100%
Prednisolone	38%
11-Deoxycortisol	2.5%
17a-OHP	0.4%
Corticosterone	<0.1%
Cortisone	23%

References

1. Johansen, I.B. *et al.* (2011) Cortisol response to stress is associated with myocardial remodeling in salmonid fishes. [J Exp Biol. 214: 1313-21.](#)
2. Vindas, M.A. *et al.* (2014) Frustrative reward omission increases aggressive behaviour of inferior fighters. [Proc Biol Sci. 281: 20140300.](#)
3. Sørensen, C. *et al.* (2011) Cortisol reduces cell proliferation in the telencephalon of rainbow trout (*Oncorhynchus mykiss*). [Physiol Behav. 102: 518-23.](#)
4. Sørensen, C. *et al.* (2012) Social stress reduces forebrain cell proliferation in rainbow trout (*Oncorhynchus mykiss*). [Behav Brain Res. 227 \(2\): 311-8.](#)

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

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