

Antibody-Antigen Sets for Measurement of Steroidal Substances

Steroids, synthesized within organisms, are central components of cell membrane with neutral fat, proteins and saccharides. In addition, steroids have a wide range of roles such as the bile acids contained in bile and hormones which are the keys for biological activities. Steroids in biospecimen can be measured with the use of antibody-antigen set.

Antibody-Antigen Sets for ELISA

Steroid	Description	Label	Cat. No.	Quantity
Androstenedione	Androstenedione-HRP	HRP	FKA-137	1000 TEST
	Anti Androstenedione-3-CMO-BSA	Unlabeled	FKA-138-E	2000 TEST
5 α -A-3 α , 17 β -diol-17-glucuronide	5 α -androstane-3 α , 17 β -diol-17-Glucuronide-HRP	HRP	FKA-143	1000 TEST
	Anti 5 α -Androstane-3 α , 17 β -triol-17-Glucuronide-11 α -Succ-BSA	Unlabeled	FKA-146-E	2000 TEST
Estrone-3-Glucuronide	Estrone-3-CME-HRP	HRP	FKA-223	1000 TEST
	Anti Estrone-3-Glucuronide	Unlabeled	FKA-224-E	2000 TEST
Progesterone	Progesterone-3-HRP	HRP	FKA-301	1000 TEST
	Anti Progesterone 3	Unlabeled	FKA-302-E	2000 TEST
Pregnenolone	Pregnenolone-3-HRP	HRP	FKA-315	1000 TEST
	Anti Pregnenolone 3	Unlabeled	FKA-316-E	2000 TEST
17 α , 20 β , 21-tri OH-Progesterone	17 α , 20 β , 21-tri OH-Progesterone-HRP	HRP	FKA-339	1000 TEST
	17 α , 20 β , 21-tri OH-Progesterone	Unlabeled	FKA-339ST	0.2 mg
	Anti 17 α , 20 β , 21-tri OH-Progesterone	Unlabeled	FKA-340-E	2000 TEST
Corticosterone	Corticosterone (Compd. B)-3-CMO-HRP	HRP	FKA-419	1000 TEST
	Anti Corticosterone-3-CMO	Unlabeled	FKA-420-E	2000 TEST
Aldosterone	Aldosterone-3-HRP	HRP	FKA-427	1000 TEST
	Anti Aldosterone	Unlabeled	FKA-428-E	2000 TEST
Bisphenol A	Bisphenol A-4-HRP	HRP	FKA-605	1000 TEST
	Anti Bisphenol A	Unlabeled	FKA-606-E	2000 TEST

Unique Antibodies for Steroids

Steroid	Description	Label	Cat. No.	Quantity
Mibolerone	Anti Mibolerone	Unlabeled	FKA-618	2000 TEST
R-2323 (gestorinone)	Anti R-2323	Unlabeled	FKA-620	2000 TEST
Norgesterol	Anti Norgesterol	Unlabeled	FKA-622	2000 TEST
Chinoform	Anti Chinoform	Unlabeled	FKA-624	2000 TEST
Salmon Calcitonin	Anti Calcitonin, Salmon	Unlabeled	FKA-626	2000 TEST



ELISA Protocol for Antibody-Antigen Sets

1. Prepare ELISA Plate (2nd antibody coated plate).
Anti rabbit IgG (H+L) Goat affinity antibody is diluted with 0.02 M Carbonate Buffer (pH9.7) to 15 µg/ml. 100 µl of diluted antibody is placed in each well (96-well plate). The plate is sealed and incubated in room temperature for 2 days. The plate is washed three times with saline solution. 200 µl of Borate Buffer with 0.1% BSA and 3% Sucrose is added and incubated for 1-2 days. The liquid is disposed and plate is dried and sealed and stored at 4°C.
2. Add 50 µl of 0, 0.1, 0.3, 1, 3, 10, 30, 100 ng/ml of standard solution to two rows (duplicate measurement) on the ELISA plate.
3. Dilute samples 1, 2, 4, 8 fold or 2.5, 5, 10, 20 fold, and add 50 µl of these diluted samples to each well. Add 50 µl of HRP-labeled steroid diluted appropriately.
4. Add 50 µl of antibody diluted appropriately.
5. Seal the plate, and gently shake on plate mixer for 5 to 10 min.
6. Incubate the plate overnight (at least 3 hours) at room temperature (without shaking).
7. Wash 3 times with saline solution (remove saline solution completely at the last wash), add 100 µl of OPD solution, and incubate at room temperature for 30 minutes.
8. Add 50 µl of 6N Sulfuric Acid to stop the reaction.
9. Measure with plate reader at O.D. 492 nm, and calculate the concentration of the sample from the standard curve.

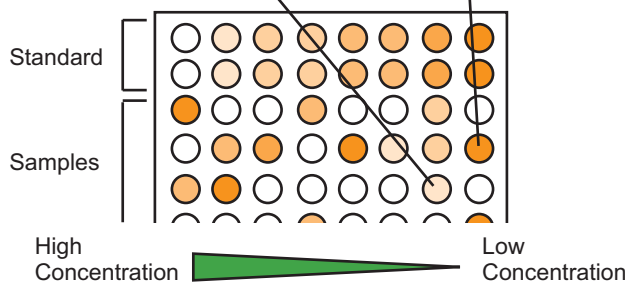
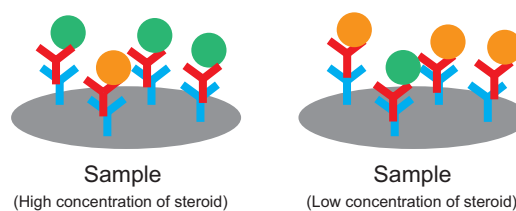
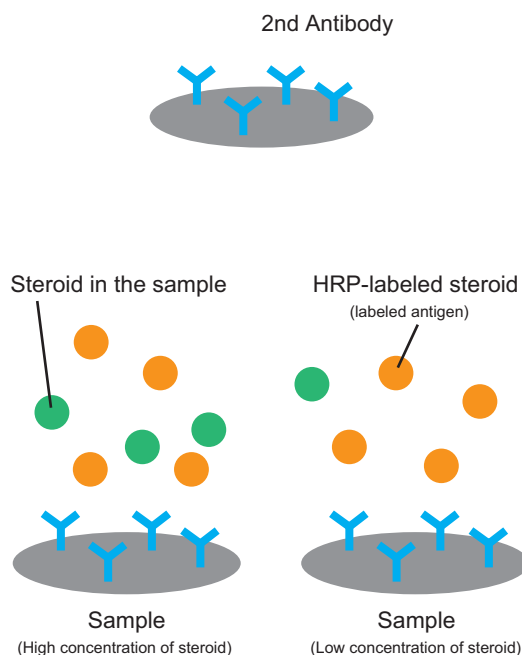
Recommended dilution: please check your product size first.

The amount used in ELISA is 50 µl/well.

If the size of the product is "1000 test", the final dilution will become "1000 (test) x 50 (µl/well) = 50 ml".

If the size of the product is "2000 test", the final dilution will become "2000 (test) x 50 (µl/well) = 100 ml".

NOTE: The dilution to the optimal concentration in one time may cause degradation of antibody or antigen in the experiment at long-term period. Please adjust the dilution method and the preservation method of the antibody and antigen according to your experiment schedule.



For research use only, Not for diagnostic use.



COSMO BIO Co., LTD.

TOYO EKIMAE BLDG, 2-20, TOYO 2-CHOME,
KOTO-KU, TOKYO 135-0016, JAPAN
TEL : (81)3-5632-9617
FAX : (81)3-5632-9618
e-mail : export@cosmobio.co.jp
URL : www.cosmobio.com