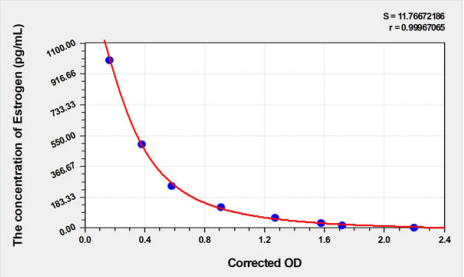
Estrogen ELISA Kit for Sheep

PRODUCT OVERVIEW

Product Name	Estrogen, ELISA Kit
Full Product Name	Sheep Estrogen ELISA Kit
Product Synonym Names	E; Estrogen
Species Reactivity	Sheep
Assay Type	Competitive
Detection Range	15.63-1000 pg/mL
Sensitivity	4.15 pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Sheep Estrogen. No significant cross-reactivity or interference between Sheep Estrogen and analogues was observed.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Product Categories/Family for Estrogen elisa kit	Reproductive science
Related Product Information for Estrogen elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Sheep Estrogen protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep Estrogen. Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Sheep Estrogen in the samples is then determined by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of Estrogen elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Estrogen purchase	MBS8820565 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Estrogen, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Estrogen. The ELISA analytical biochemical technique of the MBS8820565 kit is based on Estrogen antibody-Estrogen antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Estrogen antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Estrogen. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of Estrogen elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Estrogen. It may not necessarily be applicable to this product.

Protein Family	Estrogen receptor
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/sheep-elisa-kits/estrogen/8820565