VD2 ELISA Kit for General

PRODUCT OVERVIEW

Product Name	VD2, ELISA Kit
Full Product Name	VD2 (Vitamin D2) ELISA Kit
Product Gene Name	VD2 elisa kit
Species Reactivity	General
Assay Type	Competitive
Samples	Serum, Plasma, Biological Fluids
Detection Range	3.125-200ng/mL
Sensitivity	Min: 1.875ng/mL; Max: 200ng/mL
Specificity	This kit recognizes natural and recombinant VD2. No significant cross-reactivity or interference between VD2 and analogues was observed.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	118,668 Da
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for VD2 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of VD2 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with VD2. During the reaction, VD2 in the sample or standard competes with a fixed amount of VD2 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to VD2. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of VD2 in the samples is then determined by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of VD2 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 VD2 purchase	MBS2501329 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the VD2, 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 VD2. The ELISA analytical biochemical technique of the MBS2501329 kit is based on VD2 antibody-VD2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect VD2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, VD2. 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(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VD2. It may not necessarily be applicable to this product.

NCBI GI #	315436722
NCBI Accession #	ADU18534.1

NCBI Official Full Name	verticillium wilt resistance-like protein
UniProt Protein Name	Verticillium wilt resistance-like protein
UniProt Synonym Protein Names	Verticillium wilt resistance-like protein
UniProt Gene Name	Vd2
UniProt Entry Name	G8Z974_GOSBA
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/general-elisa-kits/vd2/2501329