



**User's Manual**

# **Human Coxsackievirus A16 IgM antibody (CVA16-Ab-IgM) ELISA Kit**



**DEIA-NS2406-4**



**96T**



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

---

**Creative Diagnostics**

 **Address: 45-1 Ramsey Road, Shirley, NY 11967, USA**

 **Tel: 1-631-624-4882 (USA) 44-161-818-6441 (Europe)**  **Fax: 1-631-938-8221**

 **Email: [info@creative-diagnostics.com](mailto:info@creative-diagnostics.com)**  **Web: [www.creative-diagnostics.com](http://www.creative-diagnostics.com)**

---

## PRODUCT INFORMATION

### Intended Use

In vitro qualitative determination of Cocksackievirus A16 IgM antibody concentrations in serum, plasma, Other biological fluids.

### Principles of Testing

This assay employs a two-site sandwich ELISA to detect CVA16-Ab-IgM in samples. An antibody specific for CVA16-Ab-IgM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CVA16-Ab-IgM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CVA16-Ab-IgM is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CVA16-Ab-IgM bound in the initial step. The color development is stopped and the intensity of the color is measured.

### Storage

The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37°C for 4 and 7 days, and compare O.D.values of the kit kept at 37°C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37°C can be considered as 6 months at 2 - 8°C, which means 7 days at 37°C equaling 12 months at 2 - 8°C).