

Rat Ovalbumin specific Immunoglobulin E ELISA Kit | OVA sIgE elisa kit

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CATALOG #
AAA98629

REACTIVITY
Rat

PRODUCT SYNONYMS

Ovalbumin specific Immunoglobulin E; Rat Ovalbumin specific Immunoglobulin E ELISA Kit; OVA sIgE; OVA sIgE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of OVA sIgG. No significant cross-reactivity or interference between OVA sIgG and analogues was observed.
Assay Type	HRP Indirect ELISA
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OVA sIgG were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level OVA sIgG were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard operation of a OVA sIgE ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)									
X	ng/ml	0	0.781	1.562	3.125	6.25	12.5	25	50
Y	OD450	0.090	0.233	0.345	0.582	1.059	1.591	2.328	2.837

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OVA sIgE elisa kit

Principle of the Assay: This kit was based on indirect enzyme-linked immune-sorbent assay technology. OVA was precoated onto 96-well plates. And the HRP conjugated anti-mouse OVA sIgG antibody was used as detection antibodies. The standards, test samples and HRP conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the OVA sIgG amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of OVA sIgG can be calculated.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.