

General Ovalbumin (OVA) ELISA Kit | OVA elisa kit

High Sensitivity General Ovalbumin (OVA) ELISA Kit

CATALOG #
AAA20038

REACTIVITY
General

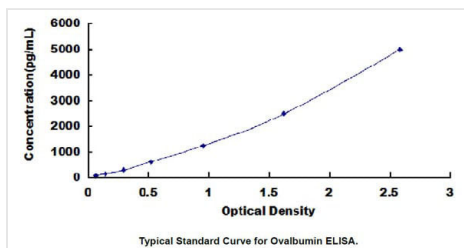
PRODUCT SYNONYMS

Ovalbumin (OVA); High Sensitivity General Ovalbumin (OVA) ELISA Kit; OVA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of ovalbumin. No significant cross-reactivity or interference between ovalbumin and analogues was observed.
Sequence Length	386
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 28pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ovalbumin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ovalbumin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OVA elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ovalbumin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ovalbumin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ovalbumin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 ovalbumin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ovalbumin in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for OVA elisa kit	Infection immunity; Immune molecule; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	342165211
Molecular Weight	43,081 Da
NCBI Official Full Name	Ovalbumin
UniProt Protein Name	Ovalbumin
UniProt Gene Name	SERPINB14
UniProt Synonym Gene Names	OVA
UniProt Entry Name	OVAL_DRONO

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.

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Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/ovalbumin-ova/20038>