

Chicken IgY ELISA Kit | IgY elisa kit

Chicken IgY (Immunoglobulin Y) ELISA Kit

CATALOG #
AAA164548

REACTIVITY
Chicken

PRODUCT SYNONYMS

IgY; Chicken IgY (Immunoglobulin Y) ELISA Kit; IgY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This kit recognizes Chicken IgY in samples. No significant cross-reactivity or interference between Chicken IgY and analogues was observed.
Sequence Length	475
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.78-50ng/mL
Sensitivity	0.47ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Chicken IgY were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Chicken IgY were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for IgY elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Chicken IgY concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Chicken IgY. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Chicken IgY and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Chicken IgY, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Chicken IgY. You can calculate the concentration of Chicken IgY in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	310750383
NCBI GeneID	419114
NCBI Accession #	NP_001138698.2

NCBI GenBank Nucleotide #	NM_001145226.2
NCBI Official Full Name	immunoglobulin superfamily member 1
NCBI Official Synonym Full Names	immunoglobulin superfamily, member 1
NCBI Official Symbol	IGSF1
NCBI Official Synonym Symbols	FCR
NCBI Protein Information	immunoglobulin superfamily member 1; Fc Receptor

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://www.aaabiotech.com/chicken-elisa-kits/igy/164548>