

Chicken Polymeric immunoglobulin receptor (PIGR) ELISA Kit | PIGR elisa kit

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CATALOG #
AAA244638

REACTIVITY
Chicken

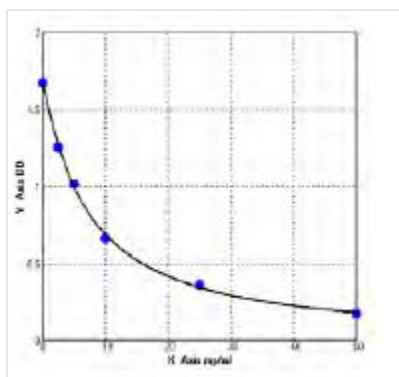
PRODUCT SYNONYMS

Polymeric immunoglobulin receptor (PIGR); Chicken Polymeric immunoglobulin receptor (PIGR) ELISA Kit; PIGR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of PIGR. No significant cross-reactivity or interference between PIGR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PIGR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIGR elisa kit	Intended Uses: This PIGR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PIGR. This ELISA kit for research use only! Principle of the Assay: PIGR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PIGR antibody and an PIGR-HRP conjugate. The assay sample and buffer are incubated together with PIGR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PIGR concentration since PIGR from samples and PIGR-HRP conjugate compete for the anti-PIGR antibody binding site. Since the number of sites is limited, as more sites are occupied by PIGR from the sample, fewer sites are left to bind PIGR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PIGR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PIGR elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	31377806
NCBI GeneID	5284
NCBI Accession #	NP_002635.2
NCBI GenBank Nucleotide #	NM_002644.3
Molecular Weight	83,284 Da
NCBI Official Full Name	polymeric immunoglobulin receptor
NCBI Official Synonym Full Names	polymeric immunoglobulin receptor
NCBI Official Symbol	PIGR
NCBI Protein Information	polymeric immunoglobulin receptor; poly-Ig receptor; hepatocellular carcinoma associated protein TB6; hepatocellular carcinoma-associated protein TB6
UniProt Protein Name	Polymeric immunoglobulin receptor
UniProt Gene Name	PIGR
UniProt Synonym Gene Names	PIgR; Poly-Ig receptor
UniProt Entry Name	PIGR_HUMAN

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/chicken-elisa-kits/polymeric-immunoglobulin-receptor-pigr/244638>