Porcine Retinoic acid induced protein 3 ELISA Kit | RIA3 elisa kit

Porcine Retinoic acid induced protein 3 ELISA Kit

CATALOG #	REACTIVITY
AAA94707	**Porcine**

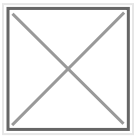
PRODUCT SYNONYMS

Retinoic acid induced protein 3; Porcine Retinoic acid induced protein 3 ELISA Kit; RIA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This RIA3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine RIA3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RIA3 elisa kit	**Principle of the assay:** RIA3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RIA3 antibody and an RIA3-HRP conjugate. The assay sample and buffer are incubated together with RIA3-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 RIA3 concentration since RIA3 from samples and RIA3-HRP conjugate compete for the anti-RIA3 antibody binding site. Since the number of sites is limited, as more sites are occupied by RIA3 from the sample, fewer sites are left to bind RIA3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RIA3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for RIA3 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506403
NCBI GeneID	9052
NCBI Accession #	NP_003970.1

NCBI GenBank Nucleotide #	NM_003979.3
Molecular Weight	40,251 Da
NCBI Official Full Name	retinoic acid-induced protein 3
NCBI Official Synonym Full Names	G protein-coupled receptor, class C, group 5, member A
NCBI Official Symbol	GPRC5A
NCBI Official Synonym Symbols	RAI3; RAIG1; GPCR5A
NCBI Protein Information	retinoic acid-induced protein 3; RAIG-1; retinoic acid induced 3; retinoic acid responsive; retinoic acid-induced gene 1 protein; orphan G-protein-coupling receptor PEIG-1; G-protein coupled receptor family C group 5 member A; G protein-coupled receptor, family C, group 5, member A
UniProt Protein Name	Retinoic acid-induced protein 3
UniProt Gene Name	**GPRC5A**
UniProt Synonym Gene Names	GPCR5A; RAI3; RAIG1; RAIG-1
UniProt Entry Name	RAI3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/ria3-porcine-elisa-kits/retinoic-acid-induced-protein-3/94707