

Porcine Alpha-1, 3-galactosyltransferase 2 (A3GALT2) ELISA Kit | A3GALT2 elisa kit

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CATALOG #
AAA27091

REACTIVITY
Porcine

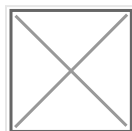
PRODUCT SYNONYMS

Alpha-1; 3-galactosyltransferase 2 (A3GALT2); Porcine Alpha-1; 3-galactosyltransferase 2 (A3GALT2) ELISA Kit; A3GALT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of A3GALT2. No significant cross-reactivity or interference between A3GALT2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between A3GALT2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 A3GALT2 elisa kit	<p>Principle of the Assay: A3GALT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-A3GALT2 antibody and an A3GALT2-HRP conjugate. The assay sample and buffer are incubated together with A3GALT2-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 A3GALT2 concentration since A3GALT2 from samples and A3GALT2-HRP conjugate compete for the anti-A3GALT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by A3GALT2 from the sample, fewer sites are left to bind A3GALT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The A3GALT2 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This A3GALT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine A3GALT2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p>
References	<p>Silencing the porcine iGb3s gene does not affect Gal?3Gal levels or measures of anticipated pig?to?human and pig?to?primate acute rejection. Butler JR, Skill NJ, Priestman DL, Platt FM, Li P, Estrada JL, Martens GR, Ladowski JM, Tector M, Tector AJ (2016)</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937275
NCBI GeneID	127550
NCBI Accession #	NP_001073907.1
NCBI GenBank Nucleotide #	NM_001080438.1
NCBI Official Full Name	alpha 1,3-galactosyltransferase 2
NCBI Official Synonym Full Names	alpha 1,3-galactosyltransferase 2
NCBI Official Symbol	A3GALT2
NCBI Official Synonym Symbols	IGBS3S; A3GALT2P
NCBI Protein Information	alpha 1,3-galactosyltransferase 2; iGb3 synthase; isoglobotriaosylceramide synthase; alpha 1,3-galactosyltransferase 2, pseudogene

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/porcine-elisa-kits/alpha-1-3-galactosyltransferase-2-a3galt2/27091>