

Sheep Adenylate Cyclase 3 ELISA Kit | ADCY3 elisa kit

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CATALOG #
AAA96057

REACTIVITY
Sheep

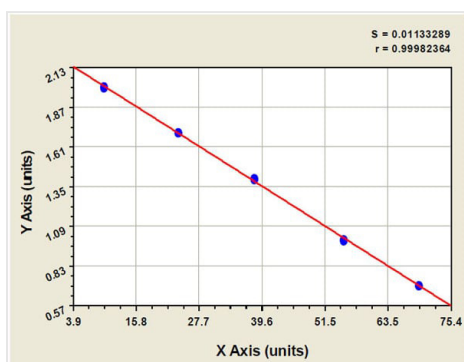
PRODUCT SYNONYMS

Adenylate Cyclase 3; Sheep Adenylate Cyclase 3 ELISA Kit; ADCY3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY3 elisa kit

Principle of the assay: ADCY3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADCY3 antibody and an ADCY3-HRP conjugate. The assay sample and buffer are incubated together with ADCY3-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 ADCY3 concentration since ADCY3 from samples and ADCY3-HRP conjugate compete for the anti-ADCY3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY3 from the sample, fewer sites are left to bind ADCY3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ADCY3 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	219519026
NCBI GeneID	109
Molecular Weight	82,289 Da
NCBI Official Full Name	ADCY3 protein
NCBI Official Synonym Full Names	adenylate cyclase 3
NCBI Official Symbol	ADCY3
NCBI Official Synonym Symbols	AC3
NCBI Protein Information	adenylate cyclase type 3; AC-III; adenylyl cyclase 3; ATP pyrophosphate-lyase 3; adenylate cyclase type III; adenylyl cyclase, type III; adenylate cyclase, olfactory type
UniProt Protein Name	Adenylate cyclase type 3
UniProt Gene Name	ADCY3
UniProt Synonym Gene Names	KIAA0511; AC-III; AC3
UniProt Entry Name	ADCY3_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/adcy3-sheep-elisa-kits/adenylate-cyclase-3/96057>