

Rat Anoctamin-1 (ANO1) ELISA Kit | ANO1 elisa kit

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CATALOG #
AAA244632

REACTIVITY
Rat

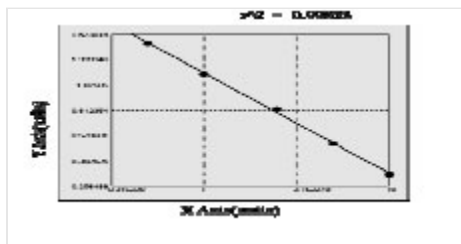
PRODUCT SYNONYMS

Anoctamin-1 (ANO1); Rat Anoctamin-1 (ANO1) ELISA Kit; ANO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANO1 elisa kit

Intended Uses: This ANO1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ANO1. This ELISA kit for research use only!

Principle of the Assay||ANO1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ANO1 antibody and an ANO1-HRP conjugate. The assay sample and buffer are incubated together with ANO1-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 ANO1 concentration since ANO1 from samples and ANO1-HRP conjugate compete for the anti-ANO1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANO1 from the sample, fewer sites are left to bind ANO1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANO1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANO1 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	194306539
NCBI GeneID	55107
NCBI Accession #	NP_060513.5
NCBI GenBank Nucleotide #	NM_018043.5
Molecular Weight	74,369 Da
NCBI Official Full Name	anoctamin-1
NCBI Official Synonym Full Names	anoctamin 1, calcium activated chloride channel
NCBI Official Symbol	ANO1
NCBI Official Synonym Symbols	DOG1; TAOS2; ORAOV2; TMEM16A
NCBI Protein Information	anoctamin-1; Ca2+-activated Cl- channel; oral cancer overexpressed 2; tumor-amplified and overexpressed sequence 2; discovered on gastrointestinal stromal tumors protein 1; transmembrane protein 16A (eight membrane-spanning domains)
UniProt Protein Name	Anoctamin-1
UniProt Gene Name	ANO1
UniProt Synonym Gene Names	DOG1; ORAOV2; TAOS2; TMEM16A
UniProt Entry Name	ANO1_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/rat-elisa-kits/anoctamin-1-ano1/244632>