

Human Anoctamin 1 (ANO1) ELISA Kit | ANO1 elisa kit

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CATALOG #
AAA244495

REACTIVITY
Human

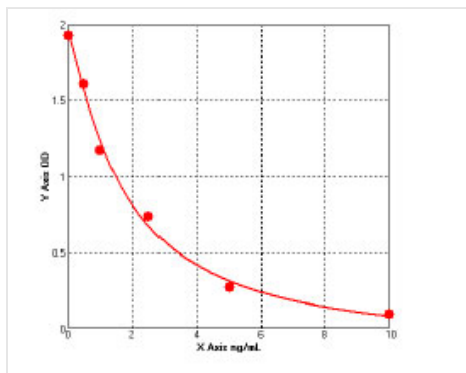
PRODUCT SYNONYMS

Anoctamin 1 (ANO1); Human Anoctamin 1 (ANO1) ELISA Kit; ANO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ANO1. No significant cross-reactivity or interference between ANO1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ANO1 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 ANO1 elisa kit	Principle of the Assay: ANO1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This ANO1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ANO1. This ELISA kit for research use only, not for therapeutic or test applications!
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/human-elisa-kits/anoctamin-1-ano1/244495>