

## Human Anoctamin 5 (ANO5) ELISA Kit | ANO5 elisa kit

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CATALOG #  
**AAA244457**

REACTIVITY  
**Human**

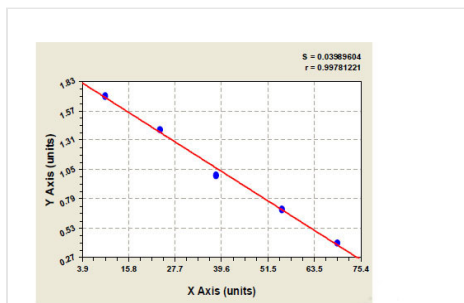
### PRODUCT SYNONYMS

Anoctamin 5 (ANO5); Human Anoctamin 5 (ANO5) ELISA Kit; ANO5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| 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 ANO5 elisa kit

**Intended Uses:** This ANO5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ANO5. This ELISA kit for research use only!

**Principle of the Assay**||ANO5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANO5 antibody and an ANO5-HRP conjugate. The assay sample and buffer are incubated together with ANO5-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 ANO5 concentration since ANO5 from samples and ANO5-HRP conjugate compete for the anti-ANO5 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANO5 from the sample, fewer sites are left to bind ANO5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANO5 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for ANO5 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 74749827                                                                                                     |
| NCBI GeneID                      | 203859                                                                                                       |
| Molecular Weight                 | 107,188 Da                                                                                                   |
| NCBI Official Full Name          | Anoctamin-5                                                                                                  |
| NCBI Official Synonym Full Names | anoctamin 5                                                                                                  |
| NCBI Official Symbol             | ANO5                                                                                                         |
| NCBI Official Synonym Symbols    | GDD1; LGMD2L; TMEM16E                                                                                        |
| NCBI Protein Information         | anoctamin-5; transmembrane protein 16E; integral membrane protein GDD1; gnathodiaphyseal dysplasia 1 protein |
| UniProt Protein Name             | Anoctamin-5                                                                                                  |
| UniProt Gene Name                | <b>ANO5</b>                                                                                                  |
| UniProt Synonym Gene Names       | GDD1; TMEM16E                                                                                                |
| UniProt Entry Name               | ANO5_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-5-ano5/244457>