

## Human Calcyphosin (CAPS) ELISA Kit | CAPS elisa kit

Human Calcyphosin (CAPS) ELISA Kit

CATALOG #  
**AAA246406**

REACTIVITY  
**Human**

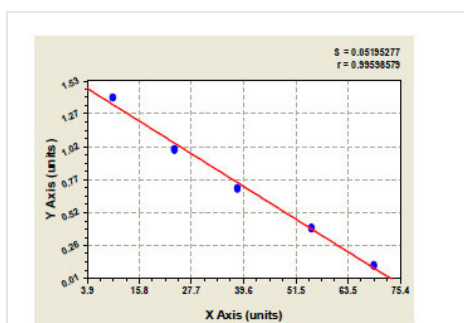
### PRODUCT SYNONYMS

Calcyphosin (CAPS); Human Calcyphosin (CAPS) ELISA Kit; CAPS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| 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 CAPS elisa kit

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

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

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

Neurobiology

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 18104964                                         |
| NCBI GeneID                      | 828                                              |
| NCBI Accession #                 | NP_542157.1                                      |
| NCBI GenBank Nucleotide #        | NM_080590.2                                      |
| Molecular Weight                 | 17,770 Da                                        |
| NCBI Official Full Name          | calcyphosin isoform b                            |
| NCBI Official Synonym Full Names | calcyphosine                                     |
| NCBI Official Symbol             | CAPS                                             |
| NCBI Official Synonym Symbols    | CAPS1                                            |
| NCBI Protein Information         | calcyphosin; calcyphosine 1; thyroid protein p24 |
| UniProt Protein Name             | Calcyphosin                                      |
| UniProt Gene Name                | <b>CAPS</b>                                      |
| UniProt Entry Name               | CAYP1_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/calcyphosin-caps/246406>