

## Human Centrosomal protein of 290 kDa (CEP290) ELISA Kit | CEP290 elisa kit

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CATALOG #  
**AAA27144**

REACTIVITY  
**Human**

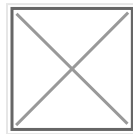
### PRODUCT SYNONYMS

Centrosomal protein of 290 kDa (CEP290); Human Centrosomal protein of 290 kDa (CEP290) ELISA Kit; CEP290 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CEP290. No significant cross-reactivity or interference between CEP290 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CEP290 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

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|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CEP290 elisa kit | <p>Principle of the Assay: CEP290 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CEP290 antibody and an CEP290-HRP conjugate. The assay sample and buffer are incubated together with CEP290-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 CEP290 concentration since CEP290 from samples and CEP290-HRP conjugate compete for the anti-CEP290 antibody binding site. Since the number of sites is limited, as more sites are occupied by CEP290 from the sample, fewer sites are left to bind CEP290-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CEP290 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This CEP290 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CEP290. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for CEP290 elisa kit   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 109255234                                                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 80184                                                                                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_079390.3                                                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_025114.3                                                                                                                                                                                                                                                                        |
| Molecular Weight                 | 180,067 Da                                                                                                                                                                                                                                                                         |
| NCBI Official Full Name          | centrosomal protein of 290 kDa                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | centrosomal protein 290kDa                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | CEP290                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | CT87; MKS4; POC3; rd16; BBS14; JBTS5; LCA10; NPHP6; SLSN6; 3H11Ag                                                                                                                                                                                                                  |
| NCBI Protein Information         | centrosomal protein of 290 kDa; nephrocytsin-6; tumor antigen se2-2; Meckel syndrome, type 4; CTCL tumor antigen se2-2; cancer/testis antigen 87; prostate cancer antigen T21; POC3 centriolar protein homolog; Bardet-Biedl syndrome 14 protein; monoclonal antibody 3H11 antigen |
| UniProt Protein Name             | Centrosomal protein of 290 kDa                                                                                                                                                                                                                                                     |
| UniProt Gene Name                | <b>CEP290</b>                                                                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | BBS14; KIAA0373; NPHP6; Cep290; CT87                                                                                                                                                                                                                                               |
| UniProt Entry Name               | CE290_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/centrosomal-protein-of-290-kda-cep290/27144>