

## Human Insulin receptor ELISA Kit | INSR elisa kit

Human Insulin receptor ELISA Kit

CATALOG #  
**AAA16704**

REACTIVITY  
**Human**

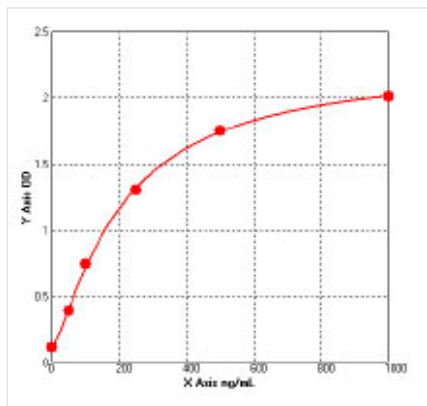
### PRODUCT SYNONYMS

Insulin receptor; Human Insulin receptor ELISA Kit; INSR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of INSR. No significant cross-reactivity or interference between INSR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between INSR and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                    |
| Sensitivity             | 1.0 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 INSR elisa kit | <p>Intended Uses: This INSR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human INSR. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: INSR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for INSR. Standards or samples are then added to the microtiter plate wells and INSR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of INSR present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for INSR are added to each well to "sandwich" the INSR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain INSR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The INSR concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                      |
|----------------------------------|----------------------|
| NCBI GI #                        | 386830               |
| NCBI GeneID                      | 3643                 |
| Molecular Weight                 | 155,146 Da           |
| NCBI Official Full Name          | insulin receptor     |
| NCBI Official Synonym Full Names | insulin receptor     |
| NCBI Official Symbol             | INSR                 |
| NCBI Official Synonym Symbols    | HHF5; CD220          |
| NCBI Protein Information         | insulin receptor; IR |
| UniProt Protein Name             | Insulin receptor     |
| UniProt Gene Name                | INSR                 |
| UniProt Synonym Gene Names       | IR                   |
| UniProt Entry Name               | INSR_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.