

## Human ICA (islet cell antibody) ELISA Kit | ICA elisa kit

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CATALOG #  
**AAA21928**

REACTIVITY  
**Human**

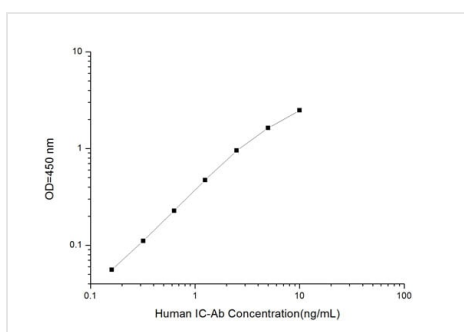
### PRODUCT SYNONYMS

ICA (islet cell antibody); Human ICA (islet cell antibody) ELISA Kit; ICA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                      |
| Specificity             | This kit recognizes Human IC-Ab in samples. No significant cross-reactivity or interference between Human IC-Ab and analogues was observed.                                |
| Sequence Length         | 700                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                      |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                  |
| Detection Range         | 0.16-10ng/mL                                                                                                                                                               |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                   |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IC-Ab were tested 20 times on one plate, respectively.               |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human IC-Ab were tested on 3 different plates, 20 replicates in each plate. |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ICA elisa kit | <p>Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antigen specific to Human IC-Ab. Standards or samples are added to the micro ELISA plate wells and combined with the specific antigen. Then a biotinylated detection antigen specific for Human IC-Ab and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human IC-Ab, biotinylated detection antigen and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human IC-Ab. You can calculate the concentration of Human IC-Ab in the samples by comparing the OD of the samples to the standard curve.</p> <p>Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human IC-Ab concentrations in serum, plasma and other biological fluids.</p> |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 21313642                        |
| NCBI GeneID                      | 71775                           |
| NCBI Accession #                 | NP_082194.1                     |
| NCBI GenBank Nucleotide #        | NM_027918.2                     |
| Molecular Weight                 | 76,766 Da                       |
| NCBI Official Full Name          | inhibitor of carbonic anhydrase |
| NCBI Official Synonym Full Names | RIKEN cDNA 1300017J02 gene      |
| NCBI Official Symbol             | 1300017J02Rik                   |
| NCBI Official Synonym Symbols    | Ica; mICA                       |
| NCBI Protein Information         | inhibitor of carbonic anhydrase |
| UniProt Protein Name             | Inhibitor of carbonic anhydrase |
| UniProt Gene Name                | Ica                             |
| UniProt Entry Name               | ICA_MOUSE                       |

**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/ica-islet-cell-antibody/21928>