

## Human B7-H2/ICOSL ELISA Kit | B7-H2/ICOSL elisa kit

Human B7-H2/ICOSL ELISA Kit PicoKine

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA127969</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

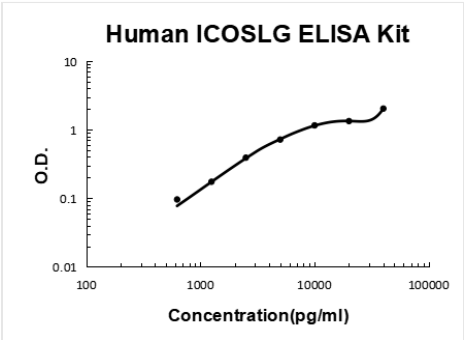
B7-H2/ICOSL; Human B7-H2/ICOSL ELISA Kit PicoKine; B7-H2/ICOSL elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human                                                                                                                                                                                                                                                                                                                                                                                            |
| Samples                                           | cell culture supernatants, serum and plasma (heparin, EDTA)                                                                                                                                                                                                                                                                                                                                      |
| Assay Range                                       | 625pg/ml-40,000pg/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity                                       | <300pg/ml                                                                                                                                                                                                                                                                                                                                                                                        |
| Capture antibody and Detection antibody           | a polyclonal antibody from goat a biotinylated polyclonal antibody from goat                                                                                                                                                                                                                                                                                                                     |
| Immunogen                                         | Expression system for standard: NS0; Immunogen sequence: D19-S258                                                                                                                                                                                                                                                                                                                                |
| Anticoagulant                                     | heparin or EDTA                                                                                                                                                                                                                                                                                                                                                                                  |
| Cross Reactivity                                  | There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for B7-H2/ICOSL elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                            |
| Kit Components                                    | Description/Quantity<br>Pre-coated 96-well strip microplate/1<br>Standard/2 vials, 40 ng/tube<br>Biotinylated antibody (100x)/100ul<br>Avidin-Biotin-Peroxidase Complex (100x)/100ul<br>Sample Diluent/30ml<br>Antibody Diluent/12ml<br>Avidin-Biotin-Peroxidase Diluent/12ml<br>Color Developing Reagent (TMB)/10ml<br>Stop Solution/10ml<br>Wash Buffer (25x)/20ml<br>Adhesive plate sealers/4 |
| Materials Required But Not Provided               | Microplate Reader capable of reading absorbance at 450nm.<br>Incubator.<br>Automated plate washer (optional).<br>Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions.<br>Multichannel pipettes are recommended for large amount of samples.<br>Deionized or distilled water.<br>500ml graduated cylinders.<br>Test tubes for dilution.      |
| Sample Data                                       | Concentration(pg/ml)0625125025005000100002000040000O.D.0.0190.1150.1930.4100.7371.1761.3552.053                                                                                                                                                                                                                                                                                                  |
| Intra Assay Consistency & Inter Assay Consistency | Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean(pg/ml)20154613234671987456321547Standard deviation90.68281.39160897.36333.11335.91CV(%)4.5%6.1%6.8%4.9%7.3%6.2%                                                                                                                                                                                                          |

|                         |                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reproducibility         | LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample<br>12015216219841947202799.324.9%Sample 246134696453647994661270.345.8%Sample<br>323647254792451922796240201393.175.8%*number of samples for each test n=16. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)                                                                 |

IMAGES



Standard Curve (Sample)  
Human ICOSLG PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for B7-H2/ICOSL elisa kit | The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays. |
| Product Categories/Family for B7-H2/ICOSL elisa kit   | PicoKine ELISA Kits                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                            |                                             |
|----------------------------|---------------------------------------------|
| NCBI GI #                  | 19855066                                    |
| NCBI GeneID                | 102723996                                   |
| UniProt Accession #        | O75144; Q9HD18; Q9NRQ1; A8MUZ1              |
| Molecular Weight           | 20,120 Da                                   |
| NCBI Official Full Name    | ICOS ligand                                 |
| NCBI Official Symbol       | LOC102723996                                |
| NCBI Protein Information   | ICOS ligand                                 |
| UniProt Protein Name       | ICOS ligand                                 |
| UniProt Gene Name          | ICOSLG                                      |
| UniProt Synonym Gene Names | B7H2; B7RP1; ICOSL; KIAA0653; B7-H2; B7RP-1 |

**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.