

## Human Interleukin 2 (IL2) CLIA Kit | IL2 clia kit

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CATALOG #  
AAA140995

REACTIVITY  
Human

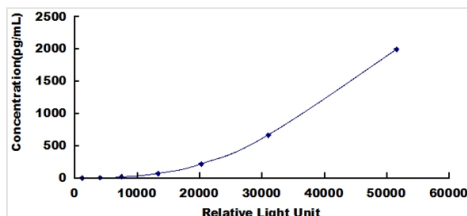
### PRODUCT SYNONYMS

Interleukin 2 (IL2); Human Interleukin 2 (IL2) CLIA Kit; TCGF; Lymphokine; T-Cell Growth Factor; Aldesleukin; IL2 clia kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Interleukin 2 (IL2). No significant cross-reactivity or interference between Interleukin 2 (IL2) and analogues was observed.                                                                                                                                                                                                                                                                                    |
| Sequence Length                                   | 153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                                           | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                                   | 2.74-2,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity                                       | 0.99pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Chemiluminescent immunoassay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Interleukin 2 (IL2) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                             |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Interleukin 2 (IL2) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                               |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL2 clia kit | The microplate provided in this kit has been pre-coated with an antibody specific to Interleukin 2 (IL2). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Interleukin 2 (IL2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Interleukin 2 (IL2) level in the sample or standard.; |
| Product Categories/Family for IL2 clia kit   | Cytokine; Infection immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                           |               |
|---------------------------|---------------|
| NCBI GI #                 | 28178861      |
| NCBI GeneID               | 3558          |
| NCBI Accession #          | NP_000577.2   |
| NCBI GenBank Nucleotide # | NM_000586.3   |
| NCBI Official Full Name   | interleukin-2 |

**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://www.aaabiotech.com/human-clia-kits/interleukin-2-il2/140995>