

## Interferon Epsilon (IFNe) CLIA Kit | IFNe clia kit

CLIA Kit for Interferon Epsilon (IFNe)

CATALOG #  
AAA130120

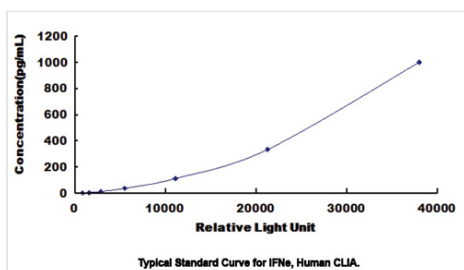
### PRODUCT SYNONYMS

Interferon Epsilon (IFNe); CLIA Kit for Interferon Epsilon (IFNe); IFNe clia kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Interferon Epsilon (IFNe)<br>No significant cross-reactivity or interference between Interferon Epsilon (IFNe) and analogues was observed.                                                                                                                                                                                                                                                                      |
| Sequence Length         | 208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range         | 1.372-1000pg/mL The standard curve concentrations used for the ELISA's were 1000pg/mL, 333.33pg/mL, 111.11pg/mL, 37.04pg/mL, 12.346pg/mL, 4.115pg/mL, 1.372pg/mL                                                                                                                                                                                                                                                                                                                           |
| Sensitivity             | The minimum detectable dose of this kit is typically less than 0.48pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Precision               | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Interferon Epsilon (IFNe) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Interferon Epsilon (IFNe) were tested on 3 different plates, 8 replicates in each plate.<br>$CV(\%) = SD/mean \times 100$<br>Intra-Assay: $CV < 10\%$<br>Inter-Assay: $CV < 12\%$                                   |
| Organism Species        | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Length            | 4.5 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 IFNe clia kit | The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. 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 Interferon Epsilon (IFNe) level in the sample or standard. |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 28882045                                                                                                          |
| NCBI GeneID                      | 338376                                                                                                            |
| NCBI Accession #                 | NP_795372.1                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_176891.4                                                                                                       |
| UniProt Accession #              | Q86WN2                                                                                                            |
| Molecular Weight                 | 24,414 Da                                                                                                         |
| NCBI Official Full Name          | interferon epsilon                                                                                                |
| NCBI Official Synonym Full Names | interferon, epsilon                                                                                               |
| NCBI Official Symbol             | IFNE                                                                                                              |
| NCBI Official Synonym Symbols    | IFN-E; IFNE1; IFNT1; INFE1; PRO655                                                                                |
| NCBI Protein Information         | interferon epsilon; IFN-epsilon; interferon tau-1; interferon-epsilon; interferon epsilon 1; interferon epsilon-1 |
| UniProt Protein Name             | Interferon epsilon                                                                                                |
| UniProt Gene Name                | IFNE                                                                                                              |
| UniProt Synonym Gene Names       | IFNE1; IFN-epsilon                                                                                                |
| UniProt Entry Name               | IFNE_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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