



# Rat Retinoic acid receptor responder protein 2(RARRES2) ELISA kit

|                             |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>         | CSB-EL019342RA                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Abbreviation</b>         | RARRES2                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Name</b>          | retinoic acid receptor responder (tazarotene induced) 2                                                                                                                                                                                                                                                                                                                                          |
| <b>Alias</b>                | HP10433, TIG2, chemerin                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>         | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b>    | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sample Types</b>         | serum, plasma, cell culture supernates, tissue homogenates                                                                                                                                                                                                                                                                                                                                       |
| <b>Detection Range</b>      | 0.9 ng/mL-60 ng/mL                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sensitivity</b>          | 0.225 ng/mL                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Assay Time</b>           | 1-5h                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sample Volume</b>        | 50-100ul                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Detection Wavelength</b> | 450 nm                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Lead Time</b>            | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.                                                                                                                                                                                                                                                                                         |
| <b>Research Area</b>        | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Names</b>           | Rarres2                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tag Info</b>             | quantitative                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Description</b>  | Sandwich                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>          | This Rat RARRES2 ELISA Kit was designed for the quantitative measurement of Rat RARRES2 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.9 ng/mL-60 ng/mL and the sensitivity is 0.225 ng/mL.                                                                                                                         |
| <b>Target Details</b>       | This gene encodes a secreted chemotactic protein that initiates chemotaxis via the ChemR23 G protein-coupled seven-transmembrane domain ligand. Expression of this gene is upregulated by the synthetic retinoid tazarotene and occurs in a wide variety of tissues. The active protein has several roles, including that as an adipokine, and is truncated on both termini from the proprotein. |
| <b>Product Precision</b>    | Intra-assay Precision (Precision within an assay): CV%<8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV%<10%                                                                                                                                                                                  |



Three samples of known concentration were tested in twenty assays to assess.

## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat RARRES2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

|      | Sample    | Serum(n=4) |
|------|-----------|------------|
| 1:5  | Average % | 96         |
|      | Range %   | 93-99      |
| 1:10 | Average % | 83         |
|      | Range %   | 80-86      |
| 1:20 | Average % | 87         |
|      | Range %   | 83-90      |
| 1:40 | Average % | 100        |
|      | Range %   | 97-103     |

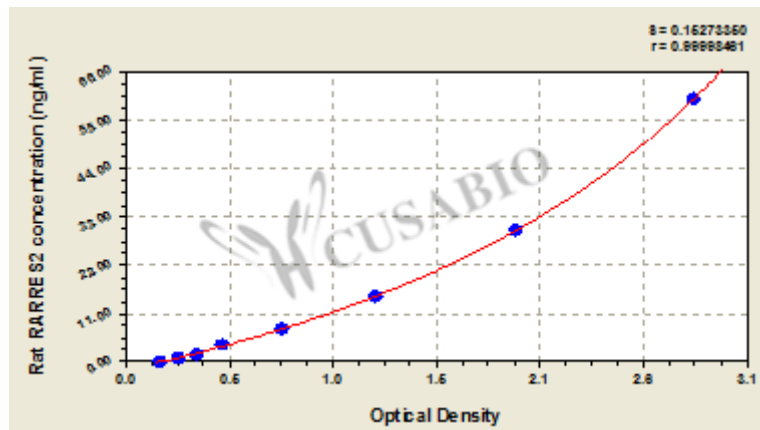
## Recovery

The recovery of rat RARRES2 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

| Sample Type       | Average % Recovery | Range |
|-------------------|--------------------|-------|
| Serum (n=5)       | 86                 | 83-90 |
| EDTA plasma (n=4) | 95                 | 91-99 |

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



| ng/ml | OD1   | OD2   | Average | Corrected |
|-------|-------|-------|---------|-----------|
| 60    | 2.790 | 2.830 | 2.810   | 2.628     |
| 30    | 1.915 | 1.952 | 1.934   | 1.752     |
| 15    | 1.258 | 1.234 | 1.246   | 1.064     |
| 7.5   | 0.765 | 0.798 | 0.782   | 0.600     |
| 3.75  | 0.494 | 0.487 | 0.491   | 0.309     |
| 1.8   | 0.361 | 0.368 | 0.365   | 0.183     |
| 0.9   | 0.264 | 0.287 | 0.276   | 0.094     |
| 0     | 0.181 | 0.183 | 0.182   |           |

## Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL019342RA.pdf","filename":"MSDS"}}