

## Rat Corticotropin Releasing Factor ELISA Kit | CRF elisa kit

Rat Corticotropin Releasing Factor ELISA Kit

CATALOG #  
**AAA16176**

REACTIVITY  
**Rat**

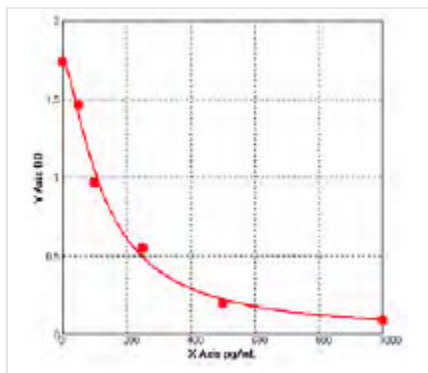
### PRODUCT SYNONYMS

Corticotropin Releasing Factor; Rat Corticotropin Releasing Factor ELISA Kit; CRF elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CRF. No significant cross-reactivity or interference between CRF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRF and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CRF elisa kit | <p>Intended Uses: This CRF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CRF. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: CRF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CRF antibody and an CRF-HRP conjugate. The assay sample and buffer are incubated together with CRF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CRF concentration since CRF from samples and CRF-HRP conjugate compete for the anti-CRF antibody binding site. Since the number of sites is limited, as more sites are occupied by CRF from the sample, fewer sites are left to bind CRF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRF concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for CRF elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 4503041                                        |
| NCBI GeneID                      | 1392                                           |
| NCBI Accession #                 | NP_000747.1                                    |
| NCBI GenBank Nucleotide #        | NM_000756.2                                    |
| Molecular Weight                 | 21,422 Da                                      |
| NCBI Official Full Name          | corticoliberin preproprotein                   |
| NCBI Official Synonym Full Names | corticotropin releasing hormone                |
| NCBI Official Symbol             | CRH                                            |
| NCBI Official Synonym Symbols    | CRF                                            |
| NCBI Protein Information         | corticoliberin; corticotropin-releasing factor |
| UniProt Protein Name             | Corticoliberin                                 |
| UniProt Gene Name                | CRH                                            |
| UniProt Synonym Gene Names       | CRF                                            |
| UniProt Entry Name               | CRF_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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Online datasheet: <https://stage.aaabiotech.com/crf-rat-elisa-kits/corticotropin-releasing-factor/16176>