

## Rat Protease Activated Receptor 2 ELISA Kit | PAR2 elisa kit

Rat Protease Activated Receptor 2 ELISA Kit

CATALOG #  
**AAA82345**

REACTIVITY  
**Rat**

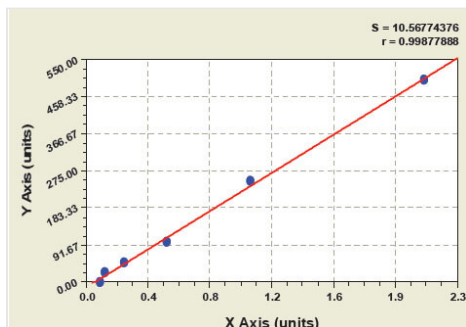
### PRODUCT SYNONYMS

Protease Activated Receptor 2; Rat Protease Activated Receptor 2 ELISA Kit; PAR2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                 |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                          |
| Assay Type              | Competitive or Sandwich                                                                                                                                                             |
| Detection Range         | 25-500 uIU/L                                                                                                                                                                        |
| Sensitivity             | 1.0 uIU/L                                                                                                                                                                           |
| Intended Uses           | This PAR2ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PAR2. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                 |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PAR2 elisa kit

**Principle of the Assay:** PAR2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PAR2. Standards or samples are then added to the microtiter plate wells and PAR2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PAR2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PAR2 are added to each well to "sandwich" the PAR2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PAR2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAR2 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 34577052                                                                                                                                                       |
| NCBI GeneID                      | 2150                                                                                                                                                           |
| NCBI Accession #                 | NP_005233.3                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_005242.4                                                                                                                                                    |
| Molecular Weight                 | 44,126 Da                                                                                                                                                      |
| NCBI Official Full Name          | proteinase-activated receptor 2                                                                                                                                |
| NCBI Official Synonym Full Names | coagulation factor II (thrombin) receptor-like 1                                                                                                               |
| NCBI Official Symbol             | F2RL1                                                                                                                                                          |
| NCBI Official Synonym Symbols    | PAR2; GPR11                                                                                                                                                    |
| NCBI Protein Information         | proteinase-activated receptor 2; thrombin receptor-like 1; G-protein coupled receptor 11; protease-activated receptor 2; coagulation factor II receptor-like 1 |
| UniProt Protein Name             | Proteinase-activated receptor 2                                                                                                                                |
| UniProt Gene Name                | <b>F2RL1</b>                                                                                                                                                   |
| UniProt Synonym Gene Names       | GPR11; PAR2; PAR-2                                                                                                                                             |
| UniProt Entry Name               | PAR2_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.