

## Human Platelet-Activating Factor Receptor (PTAFR) ELISA Kit | PTAFR elisa kit

Human Platelet-Activating Factor Receptor (PTAFR) ELISA Kit

CATALOG #  
**AAA331258**

REACTIVITY  
**Human**

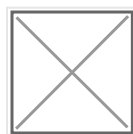
### PRODUCT SYNONYMS

Platelet-Activating Factor Receptor (PTAFR); Human Platelet-Activating Factor Receptor (PTAFR) ELISA Kit; PTAFR; PAFR; OTTHUMP00000004041; PTAFR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Platelet-activating factor receptor (PTAFR) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTAFR. No significant cross-reactivity or interference between Human PTAFR and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence Length         | 342                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

Fig.1. Human Platelet-activating factor receptor (PTAFR) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PTAFR elisa kit | <p>Description: This Human Platelet-activating factor receptor (PTAFR) ELISA Kit employs a two-site sandwich ELISA to quantitate PTAFR in samples. An antibody specific for PTAFR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTAFR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTAFR is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTAFR bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: The platelet-activating factor receptor is a G-protein coupled receptor which binds platelet-activating factor. The PAF receptor shows structural characteristics of the rhodopsin gene family and binds platelet-activating factor (PAF). PAF is a phospholipid (1-0-alkyl-2-acetyl-sn-glycero-3-phosphorylcholine) that has been implicated as a mediator in diverse pathologic processes, such as allergy, asthma, septic shock, arterial thrombosis, and inflammatory processes. PTAFR has 2 N-glycosylation sites, but unlike other rhodopsin family members, there is no N-glycosylation site in the N-terminal segment. Transfection of PTAFR into COS-7 cells resulted in expression of the receptor with an extracellular N terminus.</p> |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 4506241                             |
| NCBI GeneID                      | 5724                                |
| NCBI Accession #                 | NP_000943.1                         |
| NCBI GenBank Nucleotide #        | NP_000943.1                         |
| UniProt Accession #              | P25105                              |
| NCBI Official Full Name          | platelet-activating factor receptor |
| NCBI Official Synonym Full Names | platelet activating factor receptor |
| NCBI Official Symbol             | PTAFR                               |
| NCBI Official Synonym Symbols    | PAFR                                |
| NCBI Protein Information         | platelet-activating factor receptor |
| UniProt Protein Name             | Platelet-activating factor receptor |
| UniProt Gene Name                | PTAFR                               |
| UniProt Synonym Gene Names       | PAFR; PAF-R; PAFr                   |
| UniProt Entry Name               | PTAFR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/platelet-activating-factor-receptor-ptaf/331258>