

Human Protease Activated Receptor 4 ELISA Kit | PAR4 elisa kit

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CATALOG #
AAA97021

REACTIVITY
Human

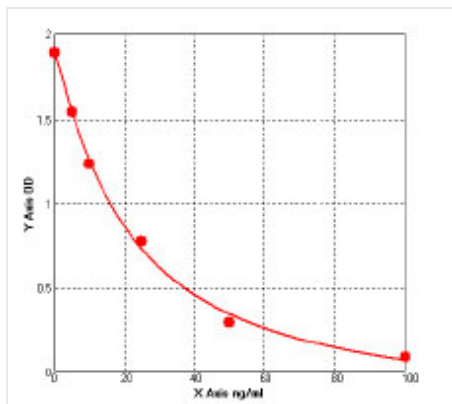
PRODUCT SYNONYMS

Protease Activated Receptor 4; Human Protease Activated Receptor 4 ELISA Kit; PAR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PAR4. No significant cross-reactivity or interference between PAR4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PAR4 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 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAR4 elisa kit	Intended Uses: This PAR4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PAR4. This ELISA kit for research use only! Principle of the Assay: PAR4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PAR4 antibody and an PAR4-HRP conjugate. The assay sample and buffer are incubated together with PAR4-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 PAR4 concentration since PAR4 from samples and PAR4-HRP conjugate compete for the anti-PAR4 antibody binding site. Since the number of sites is limited, as more sites are occupied by PAR4 from the sample, fewer sites are left to bind PAR4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAR4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PAR4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	89353783
NCBI GeneID	9002
NCBI Accession #	NP_003941.2
NCBI GenBank Nucleotide #	NM_003950.2
Molecular Weight	41,133 Da
NCBI Official Full Name	proteinase-activated receptor 4
NCBI Official Synonym Full Names	coagulation factor II (thrombin) receptor-like 3
NCBI Official Symbol	F2RL3
NCBI Official Synonym Symbols	PAR4
NCBI Protein Information	proteinase-activated receptor 4; PAR-4; thrombin receptor-like 3; protease-activated receptor-4
UniProt Protein Name	Proteinase-activated receptor 4
UniProt Gene Name	F2RL3
UniProt Synonym Gene Names	PAR4; PAR-4
UniProt Entry Name	PAR4_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/par4-human-elisa-kits/protease-activated-receptor-4/97021>