

Rat Protease Activated Receptor 4 ELISA Kit | PAR4 elisa kit

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CATALOG #
AAA97343

REACTIVITY
Rat

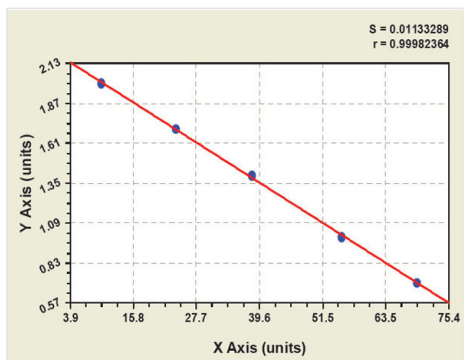
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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

Principle of the assay: PAR4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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-rat-elisa-kits/protease-activated-receptor-4/97343>