

Mouse Protease Activated Receptor 1 ELISA Kit | PAR1 elisa kit

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CATALOG #
AAA96730

REACTIVITY
Mouse

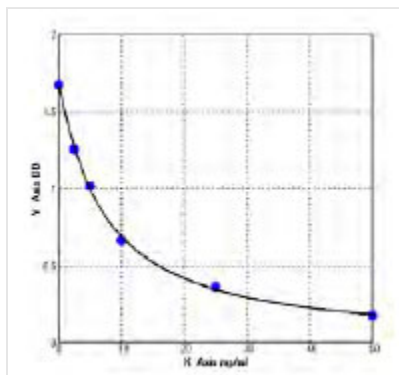
PRODUCT SYNONYMS

Protease Activated Receptor 1; Mouse Protease Activated Receptor 1 ELISA Kit; PAR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PAR1. No significant cross-reactivity or interference between PAR1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PAR1 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAR1 elisa kit	Intended Uses: This PAR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PAR1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PAR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PAR1 antibody and an PAR1-HRP conjugate. The assay sample and buffer are incubated together with PAR1-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 PAR1 concentration since PAR1 from samples and PAR1-HRP conjugate compete for the anti-PAR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PAR1 from the sample, fewer sites are left to bind PAR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAR1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PAR1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	166362740
NCBI GeneID	2149
NCBI Accession #	NP_001983.2
NCBI GenBank Nucleotide #	NM_001992.3
Molecular Weight	47,441 Da
NCBI Official Full Name	proteinase-activated receptor 1
NCBI Official Synonym Full Names	coagulation factor II (thrombin) receptor
NCBI Official Symbol	F2R
NCBI Official Synonym Symbols	TR; HTR; CF2R; PAR1; PAR-1
NCBI Protein Information	proteinase-activated receptor 1; protease-activated receptor 1
UniProt Protein Name	Proteinase-activated receptor 1
UniProt Gene Name	F2R
UniProt Synonym Gene Names	CF2R; PAR1; TR; PAR-1
UniProt Entry Name	PAR1_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/par1-mouse-elisa-kits/protease-activated-receptor-1/96730>