

Rat Prostaglandin E Receptor 2 ELISA Kit | EP2 elisa kit

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CATALOG #
AAA100300

REACTIVITY
Rat

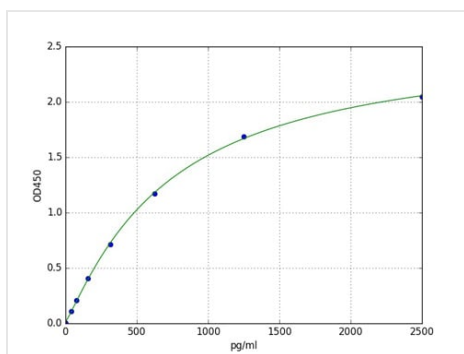
PRODUCT SYNONYMS

Prostaglandin E Receptor 2; Rat Prostaglandin E Receptor 2 ELISA Kit; EP2/PGE receptor EP2 subtype/PGE2 receptor EP2 subtype/prostaglandin E receptor 2 (subtype EP2); 53kD/prostaglandin E receptor 2 (subtype EP2); 53kDa/prostaglandin E2 receptor EP2 subtype/Prostanoid EP2 receptor; EP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	358
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	39.063-2500pg/ml
Sensitivity	23.438pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat EP2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	39.1	78.125	156.25	312.5	625	1250	2500
Y	OD450	0.041	0.074	0.151	0.245	0.309	0.904	1.490	2.358

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EP2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat EP2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat EP2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat EP2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat EP2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30526196
NCBI GeneID	5732
Molecular Weight	39,761 Da
NCBI Official Full Name	prostaglandin E receptor 2 subtype EP2
NCBI Official Synonym Full Names	prostaglandin E receptor 2
NCBI Official Symbol	PTGER2
NCBI Official Synonym Symbols	EP2
NCBI Protein Information	prostaglandin E2 receptor EP2 subtype
UniProt Protein Name	Prostaglandin E2 receptor EP2 subtype
UniProt Gene Name	PTGER2
UniProt Synonym Gene Names	PGE receptor EP2 subtype; PGE2 receptor EP2 subtype
UniProt Entry Name	PE2R2_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/ep2-rat-elisa-kits/prostaglandin-e-receptor-2/100300>