

Rat Estrogen sulfotransferase, isoform 3 ELISA Kit | Ste elisa kit

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CATALOG #
AAA101608

REACTIVITY
Rat

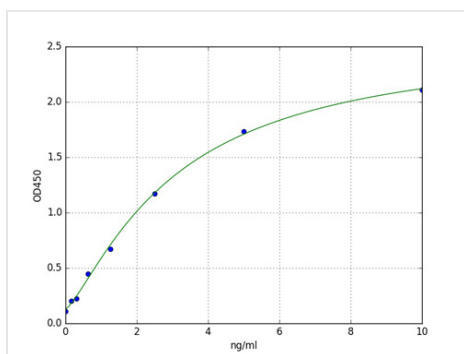
PRODUCT SYNONYMS

Estrogen sulfotransferase; isoform 3; Rat Estrogen sulfotransferase; isoform 3 ELISA Kit; EST-3/Estrogen sulfotransferase; isoform 3/Estrone sulfotransferase/Sulfotransferase; estrogen-preferring/Ste; Ste elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	295
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Ste 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	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.068	0.156	0.207	0.331	0.557	1.164	1.672	1.978

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ste elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Ste antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Ste 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 Ste amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Ste can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981594
NCBI GeneID	25355
NCBI Accession #	NP_037015.1
NCBI GenBank Nucleotide #	NM_012883.1
Molecular Weight	35,509 Da
NCBI Official Full Name	estrogen sulfotransferase
NCBI Official Synonym Full Names	sulfotransferase family 1E member 1
NCBI Official Symbol	Sult1e1
NCBI Official Synonym Symbols	Ste; ST1E1; ESTSUL
NCBI Protein Information	estrogen sulfotransferase
UniProt Protein Name	Estrogen sulfotransferase, isoform 1
UniProt Gene Name	Sult1e1
UniProt Synonym Gene Names	Ste; Ste1; EST-1; ST1E1
UniProt Entry Name	ST1E1_RAT

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://www.aaabiotech.com/ste-rat-elisa-kits/estrogen-sulfotransferase-isoform-3/101608>