

Guinea Pig Endothelin receptor B ELISA Kit | ETR-B elisa kit

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CATALOG #
AAA85010

REACTIVITY
Guinea Pig

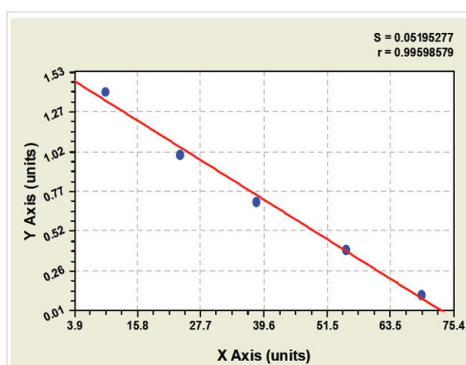
PRODUCT SYNONYMS

Endothelin receptor B; Guinea Pig Endothelin receptor B ELISA Kit; ETR-B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 ETR-B elisa kit

Intended Uses: This ETR-B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig ETR-B. This ELISA kit for research use only!

Principle of the Assay: ETR-B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ETR-B antibody and an ETR-B-HRP conjugate. The assay sample and buffer are incubated together with ETR-B-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 ETR-B concentration since ETR-B from samples and ETR-B-HRP conjugate compete for the anti-ETR-B antibody binding site. Since the number of sites is limited, as more sites are occupied by ETR-B from the sample, fewer sites are left to bind ETR-B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ETR-B concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ETR-B elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	443609487
NCBI GeneID	13618
NCBI Accession #	NP_001263225.1
NCBI GenBank Nucleotide #	NM_001276296.1
UniProt Accession #	P48302; Q542M3
Molecular Weight	49,561 Da
NCBI Official Full Name	endothelin B receptor
NCBI Official Synonym Full Names	endothelin receptor type B
NCBI Official Symbol	Ednrb
NCBI Official Synonym Symbols	ETb; ET-B; ET-BR; ETR-b; Sox10m1
NCBI Protein Information	endothelin B receptor; piebald; endothelin receptor non-selective type
UniProt Protein Name	Endothelin B receptor
UniProt Gene Name	Ednrb
UniProt Synonym Gene Names	ET-B; ET-BR
UniProt Entry Name	EDNRB_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/etr-b-guinea-pig-pig-elisa-kits/endothelin-receptor-b/85010>