Rat Relaxin/Insulin Like Family Peptide Receptor 1 ELISA Kit | RXFP1 elisa kit

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CATALOG #	REACTIVITY
AAA82106	**Rat**

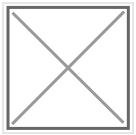
PRODUCT SYNONYMS

Relaxin/Insulin Like Family Peptide Receptor 1; Rat Relaxin/Insulin Like Family Peptide Receptor 1 ELISA Kit; RXFP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RXFP1 elisa kit	**For Samples:** Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma **Intended Uses:** This RXFP1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of RXFP1 in the sample, this RXFP1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus RXFP1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. **Principle of the Assay:** The coated well immunoenzymatic assay for the quantitative measurement of RXFP1 utilizes a multiclonal anti-RXFP1 antibody and an RXFP1-HRP conjugate. The assay sample and buffer are incubated together with RXFP1-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 RXFP1 concentration since RXFP1 from samples and RXFP1-HRP conjugate compete for the anti-RXFP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by RXFP1 from the sample, fewer sites are left to bind RXFP1-HRP conjugate. Standards of known RXFP1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of RXFP1. The RXFP1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for RXFP1 elisa kit	Signal Transduction

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.