

Human Prolactin Receptor, PRLR ELISA Kit | PRLR elisa kit

Human Prolactin Receptor, PRLR Primacu ELISA Kit

CATALOG #
AAA124387

REACTIVITY
Human

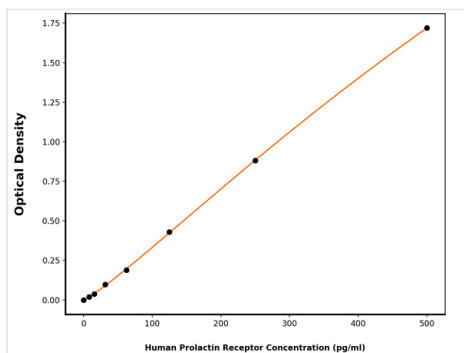
PRODUCT SYNONYMS

Prolactin Receptor; PRLR; Human Prolactin Receptor; PRLR Primacu ELISA Kit; Prolactin receptor; PRLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	7.81-500pg/mL
Sensitivity	1.64pg/mL
Standard Solution	5ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for PRLR elisa kit	Prolactin receptor (PRLR) is a single-pass transmembrane receptor belonging to the type I cytokine receptor superfamily, and contains two fibronectin type-III domains. All class 1 ligands activate their respective receptors by clustering mechanisms. Ligand binding results in the transmembrane PRLR dimerization, followed by phosphorylation and activation of the molecules involved in the signaling pathways, such as Jak-STAT, Ras/Raf/MAPK. The PRLR contains no intrinsic tyrosine kinase cytoplasmic domain but associates with a cytoplasmic tyrosine kinase, JAK2. PRLR mainly serves as the receptor for the pituitary hormone prolactin (PRL), a secreted hormone that affects reproduction and homeostasis in vertebrates. PRLR can be regulated by an interplay of two different mechanisms, PRL or ovarian steroid hormones independently or in combination in a tissue-specific manner. The role of the hormone prolactin (PRL) in the pathogenesis of breast cancer is mediated by its cognate receptor (PRLR). Ubiquitin-dependent degradation of the PRLR that negatively regulates PRL signaling is triggered by PRL-mediated phosphorylation of PRLR on Ser349 followed by the recruitment of the beta-transducin repeats-containing protein (beta-TrCP) ubiquitin-protein isopeptide ligase. which altered PRLR stability may directly influence the pathogenesis of breast cancer.
Product Categories/Family for PRLR elisa kit	Primacu ELISA Kit; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506107
NCBI GeneID	5618
NCBI Accession #	NP_000940.1
NCBI GenBank Nucleotide #	NM_000949.5
UniProt Accession #	P16471; Q16354; Q8TD75; Q8TD78; Q96P35; Q96P36; Q9BX87; Q9UHHJ5; B2R882
Molecular Weight	24,000
NCBI Official Full Name	prolactin receptor isoform 1
NCBI Official Synonym Full Names	prolactin receptor
NCBI Official Symbol	PRLR
NCBI Official Synonym Symbols	hPRLrI
NCBI Protein Information	prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein
UniProt Protein Name	Prolactin receptor
UniProt Gene Name	PRLR
UniProt Synonym Gene Names	PRL-R
UniProt Entry Name	PRLR_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.