

General Prolactin ELISA Kit | PRL elisa kit

Rat Prolactin ELISA Kit

CATALOG #
AAA37733

REACTIVITY
General

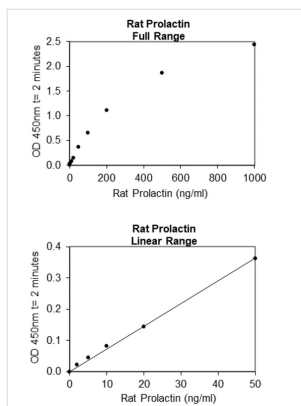
PRODUCT SYNONYMS

Prolactin; Rat Prolactin ELISA Kit; PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	Pooled normal plasma from pig, dog, human and sheep was assayed and no cross-reactivity was observed. Pooled normal mouse and horse plasma showed significant cross-reactivity. Pooled normal plasma from rhesus monkey, cyno monkey and rabbit resulted in significant background color development.
Form/Format	Complete Kit
Sequence Length	226
Sensitivity	0.36 ng/mL
Intra-assay Precision	These studies are currently in progress. Please contact us for more information.
Inter-assay Precision	These studies are currently in progress. Please contact us for more information.
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRL elisa kit	Background: Rat prolactin (PRL) is a 197 aa, 23kD peptide hormone [1] that is secreted primarily by the pituitary gland in both males and females, though its major roles are in pregnancy and lactation [2,3]. Prolactin may have a role in breast cancer development, with higher prolactin levels correlating with postmenopausal breast cancer risk [4]. Principle of the Assay: Rat prolactin will bind to the affinity purified capture antibody coated on the microtiter plate. After appropriate washing steps, anti-rat prolactin primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with peroxidase conjugated secondary antibody. Following an additional washing step, TMB substrate is used for color development which is measured at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of rat prolactin. Color development is proportional to the concentration of prolactin in the samples. Intended Uses: This rat prolactin antigen assay is intended for the quantitative determination of prolactin antigen in rat plasma.
Product Categories/Family for PRL elisa kit	Prolactin/Prolactin Receptor; Prolactin ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981404
NCBI GeneID	24683
NCBI Accession #	NP_036761.1
NCBI GenBank Nucleotide #	NM_012629.1
UniProt Accession #	P01237; P70520
Molecular Weight	25,753 Da
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	Prl
NCBI Official Synonym Symbols	PRLB; Prol; PRLSD1; Prl1a1; RNPROL; RATPRLSD1
NCBI Protein Information	prolactin; prolactin family 1, subfamily a, member 1
UniProt Protein Name	Prolactin
UniProt Gene Name	Prl
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_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://stage.aaabiotech.com/prl-general-elisa-kits/prolactin/37733>