

General Prolactin ELISA Kit | PRL elisa kit

Human Prolactin ELISA Kit

CATALOG #
AAA37752

REACTIVITY
General

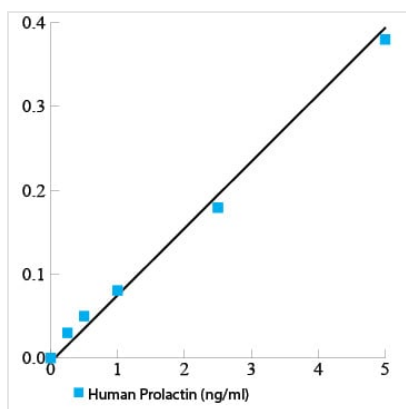
PRODUCT SYNONYMS

Prolactin; Human Prolactin ELISA Kit; PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	227
Samples	Human plasma or breast milk
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

Intended Uses: This human prolactin antigen assay is intended for the quantitative determination of prolactin antigen in human plasma or breast milk.

Principle of the Assay: Human prolactin will bind to the affinity purified capture antibody coated on the microtiter plate. After appropriate washing steps, biotinylated anti-human prolactin primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody, which is proportional to the total prolactin present in the samples, is reacted with peroxidase-conjugated streptavidin. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of human prolactin. Color development is proportional to the concentration of prolactin in the samples.

Background: Prolactin (PRL) is a 199 aa, 23kD peptide hormone that is secreted primarily by the pituitary gland in both males and females, though its major roles are in pregnancy and lactation [1,2]. Prolactin may have a role in breast cancer development, with higher prolactin levels correlating with postmenopausal breast cancer risk [3].

Product Categories/Family for PRL
elisa kit

Prolactin/Prolactin Receptor; Prolactin ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506105
NCBI GeneID	5617
NCBI Accession #	NP_000939.1
NCBI GenBank Nucleotide #	NM_000948.5
UniProt Accession #	P01236; Q15199; Q92996
Molecular Weight	25,876 Da
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	PRL
NCBI Protein Information	prolactin; decidual prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_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.

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Online datasheet: <https://www.aaabiotech.com/prl-general-elisa-kits/prolactin/37752>