PRL Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PRL, Monoclonal Antibody
Full Product Name	PRL Conjugated Monoclonal Antibody
Product Gene Name	anti-PRL antibody
Product Synonym Names	PRL
Clonality	Monoclonal
Host	Mouse
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	Specific for PRL native and denatured forms
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	25,876 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (22287473..22303082, complement). Location: 6p22.2-p21.3
OMIM	176760
3D Structure	ModBase 3D Structure for P01236
Immunogen	Recombinant Human PRL
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-PRL antibody	Most Applications
Application Notes for anti-PRL antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-PRL antibody	This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein.
Other Notes	Small volumes of anti-PRL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PRL purchase	MBS9450470 is an antibody targeting PRL. Also known as PRL Conjugated Monoclonal Antibody. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRL. It may not necessarily be applicable to this product.

NCBI GI #	254675133
NCBI GeneID	5617
NCBI Accession #	NP_001157030.1
UniProt Primary Accession #	P01236
UniProt Secondary Accession #	Q15199; Q92996
UniProt Related Accession #	P01236
GenBank Nucleotide #	NM_001163558.2
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	PRL
UniProt Protein Name	Prolactin
Protein Family	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_HUMAN
NCBI Protein Information	prolactin; decidual prolactin
UniProt Comments for PRL	prolactin: Prolactin acts primarily on the mammary gland by promoting lactation. Belongs to the somatotropin/prolactin family. Protein type: Secreted; Cytokine; Secreted, signal peptide; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 6p22.3 Cellular Component: extracellular region Molecular Function: protein binding; prolactin receptor binding; hormone activity Biological Process: lactation; cell proliferation; cell surface receptor linked signal transduction; regulation of multicellular organism growth; positive regulation of JAK-STAT cascade; female pregnancy
Research Articles on PRL	**1.** ECM stiffness is a powerful regulator of the spectrum of prolactin signals and that stiff matrices and prolactin interact in a feed-forward loop in breast cancer progression
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/prl/9450470