

# MONOCLONAL ANTIBODY TO HUMAN PROLACTIN

<b>Abbreviation</b>	PRL
<b>Specificity</b>	Detects human Prolactin
<b>Accession Number</b>	P01236
<b>Host Species</b>	Mouse

## STAR PAIRS

MAB121P and MAB122P demonstrate sensitive detection of human prolactin as matched pairs in both capture/detector orientations

<b>Application</b>	ELISA
<b>Target Marker</b>	Prolactin (PRL) is a ~23kD single chain polypeptide human hormone important in both female and male reproductive health. As a diagnostic marker, Prolactin is used in the diagnosis and management of fertility problems, pituitary tumours, amenorrhea, and galactorrhea. Prolactin's role in breast cancer risk and prognosis continues to be an active area of investigation.
<b>References</b>	<p>Melmed S, Casanueva FF, Hoffman AR, et al (2011) "Diagnosis and Treatment of Hyperprolactinemia: an Endocrine Society clinical practice guideline" J Clin Endocrinol Metab 96 (2): 273-288</p> <p>Lopez-Ozuna VM, Hachim IY, Hachim MY, Leburn JJ, Ali S (2016) "Prolactin Pro-Differentiation Pathway in Triple Negative Breast Cancer: Impact on Prognosis and Potential Therapy" Sci Rep. 6: 30934. PMC4969612</p>

## WHY CHOOSE BBI'S PROLACTIN ANTIBODIES?

- + Save time and money by choosing our recommended matched pair
- + Be confident in your results when you choose BBI's antibodies for your next assay – Our Prolactin antibodies have been tested in sandwich ELISA for recognition of BBI produced recombinant human prolactin. Recognition of native prolactin was also confirmed by ELISA
- + Antibodies are produced in-house under cGMP manufacturing standards to ensure quality
- + Matched pair antibodies as well as recombinant prolactin antigens are available for a total reagents solution

Order your evaluation sample today [www.bbisolutions.com](http://www.bbisolutions.com)

**Characterisation**

**Sandwich ELISA**

**Standard Curve Results (rhPRL)**

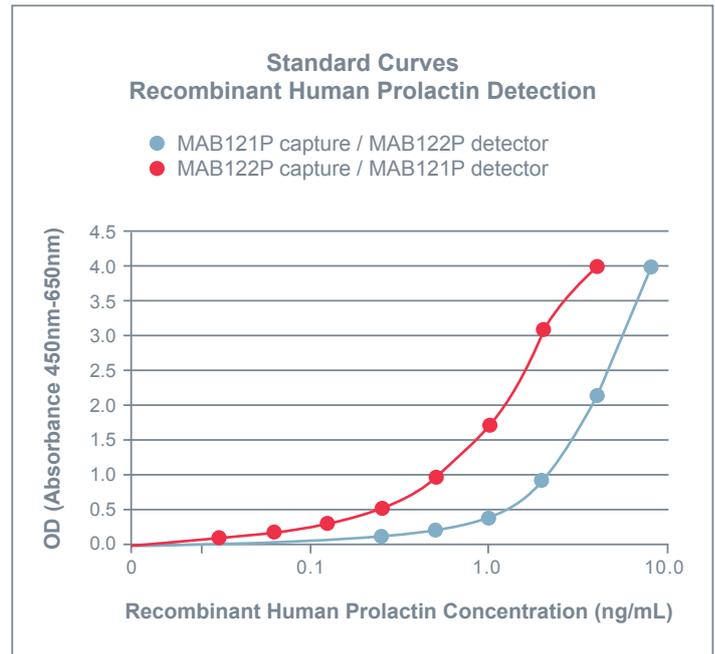
Double-antibody sandwich ELISA with MAB121P and MAB122P in both capture/detector orientations. Both pair configurations demonstrated sensitive detection of recombinant human prolactin (BBI Cat. No. P700-1) with distinct standard curve profiles offering potential flexibility across different assay applications and platforms.

**Specificity**

Detection of purified, native human prolactin was confirmed (data not shown).

**Cross-reactivity**

Specificity of pairings was confirmed with a panel of human hormones. No cross-reactivity was detected with hCG, hLH, hTSH, hFSH, and hGH samples (data not shown).



**Pack sizes**

1mg, bulk amounts available on request.

**Antigen Analysis**

Product	Result	Serum Blank	Activity
BBI's rec. Prolactin	7418 mIU/L	164 mIU/L	43.52 IU/mg
Competitor rec. Prolactin	4376 mIU/L	164 mIU/L	25.22 IU/mg

Samples were tested on the Roche Modular E170 analyser. BBI's recombinant Prolactin shows excellent activity in comparison to a leading competitor.

**ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING**

Product	Code	Description
Monoclonal Antibody to Human Prolactin	MAB121P	Can be used as capture or detection antibody with MAB122P for the recognition of human prolactin
Monoclonal Antibody to Human Prolactin	MAB122P	Can be used as capture or detection antibody with MAB121P for the recognition of human prolactin
Recombinant Prolactin	P700-1	Recombinant human prolactin antigen

**Order a sample today** [sales@bbisolutions.com](mailto:sales@bbisolutions.com)  
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