

PROGESTERONE

Specificity	Progesterone
Host Species	Mouse

RECOMMENDED ANTIBODY:

MAB286P

Application	ELISA
Target Marker	Progesterone is an important marker for female reproductive health. Progesterone levels are measured to monitor fertility, high-risk pregnancies, and to diagnose an ectopic pregnancy. Progesterone is also monitored during in vitro fertilization (IVF) as the surge and timing of serum progesterone levels are impactful to IVF success.
References	Ashmita, J., Vikas, S., & Swati, G. (2017). The Impact of Progesterone Level on Day Of hCG Injection in IVF Cycles on Clinical Pregnancy Rate. Journal of human reproductive sciences, 10(4), 265-270.

WHY CHOOSE BBI'S ANTIBODIES?

- + Manufactured in-house at BBI for security of supply
- + cGMP production and quality management provides increased batch-to-batch consistency
- + Performance tested in competitive assay format – the antibody clone is used in commercialised bioMérieux assays

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Characterisation

MAB286P Competitive ELISA
Free Progesterone Inhibition Results

Figure 1.

Sample Concentration Progesterone	MAB286P
0 ng/mL (B ₀ OD) *	1.76 OD 100% B ₀
0.313 ng/mL	1.51 OD 86% B ₀
0.625 ng/mL	0.99 OD 56% B ₀
1.25 ng/mL	0.71 OD 40% B ₀
2.5 ng/mL	0.17 OD 10% B ₀

Figure 1: MAB286P (clone P15G12D6) detection of free progesterone in a colorimetric competitive-inhibition ELISA format on progesterone-11-BSA coated plate.

* 100% B₀ = the maximum amount of progesterone mAb that is bound to the antigen-coated plate in the absence of any progesterone in the sample.
% B₀ = Absorbance of sample or calibrator divided by the absorbance of the negative control x100.

Use in assays

Antibody clone (P15G12D6) has been successfully used in commercialised bioMérieux immunoassay products*

Figure 2.

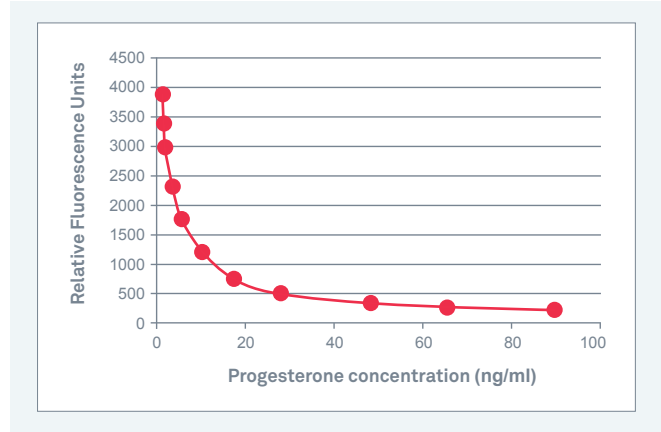


Figure 2: An optimised fluorescence immunoassay standard curve showing clinically relevant range of quantitative detection of progesterone in a competitive ELISA format.

* VIDAS® and/or VIKIA® and/or BIONEXIA®

Pack sizes

1mg, bulk amounts available on request.

ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description
Progesterone Monoclonal Antibody	MAB286P	Detects progesterone in a competitive assay format. Demonstrated performance with progesterone-11 conjugates
Progesterone Monoclonal Antibody	MAB234P	Detects progesterone in a competitive assay format. Demonstrated performance with progesterone-3 and progesterone-6 conjugates
Progesterone Monoclonal Antibody	MAB235P	Detects progesterone in a competitive assay format. Demonstrated performance with progesterone-3 and progesterone-11 conjugates

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