

Product datasheet for **AM31544PU-N**

17-alpha-Hydroxyprogesterone / 17-OHP Mouse Monoclonal Antibody [Clone ID: HPRO-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HPRO-1
Applications:	ELISA
Recommended Dilution:	ELISA. Can be used in competitive assay of 17-alpha-Hydroxyprogesterone.
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Conjugate of 17-alpha-hydroxyprogesterone with BSA
Specificity:	Reacts with 17-alpha-hydroxyprogesterone-BSA conjugate and free 17-alpha-hydroxyprogesterone. No cross reactivity with BSA. <u>Cross reactivity:</u> 17-Hydroxyprogesterone: 100% Progesterone: 7% Deoxycorticosterone: 3%
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C .
Stability:	Shelf life: one year from despatch.



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Background:

17-Hydroxyprogesterone (17-OH progesterone or 17OHP) is a C-21 steroid hormone produced during the synthesis of glucocorticoids and sex steroids. It is derived from progesterone via 17-hydroxylase, a P450c17 enzyme, or from 17-hydroxypregnenolone via 3-beta-hydroxysteroid dehydrogenase / Delta 5-4 isomerase. 17-Hydroxyprogesterone is a natural progestogen, and in pregnancy increases in the third trimester primarily due to fetal adrenal production. This hormone is primarily produced in the adrenal glands and to some degree in the gonads, specifically the corpus luteum of the ovary. Hydroxyprogesterone has been used for recurrent miscarriage and various menstrual disorders. Women who have had a spontaneous preterm delivery are at greatly increased risk for preterm delivery in subsequent pregnancies. The results of several small trials have suggested that hydroxyprogesterone may reduce the risk of preterm delivery.

Synonyms:

17OHP, 17-Hydroxyprogesterone, 17-alpha-Hydroxy-Progesterone