

AM05494PU-N**Monoclonal Antibody to Estriol - Purified**

Alternate names:	Oestriol
Quantity:	0.2 mg
Concentration:	2.9 mg/ml
Background:	Estriol is a hydroxylated metabolite of ESTRADIOL or ESTRONE that has a hydroxyl group at C3-beta, 16-alpha, and 17-beta position. Estriol is the main estrogen in the blood and urine of pregnant females. During pregnancy, large amount of estriol is produced by the placenta. Serum estriol determinations reflect the status of the fetus and are used to evaluate fetal distress and placental function. Estriol increases until term, reaches a plateau at the 40th week of gestation and then declines.
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	BGN/06/8601
Immunogen:	Synthetic peptide corresponding to the amino acids 1 - 6 of the native molecule conjugated to Bovine Serum Albumin.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein A Buffer System: Phosphate buffered saline, pH 7.2 containing 0.09% Sodium Azide (NaN₃)
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Estriol, an Estrogen which is produced in significant amounts during pregnancy. It is a hormone which is produced from DHEA-S by the placenta and is often used as a general indicator of fetal health. In the absence of pregnancy it is still found in both men and women in lower levels. This antibody shows the following reactivities: Estriol-BSA: 100% Estriol: 50% Estrone: 50%
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.