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12-8312: Anti-Human HCG Beta (Clone 151)-Purified

Clonality :	Monoclonal
Clone Name :	151
Reactivity :	Human
Isotype :	IgG
Immunogen Information :	Purified Recombinant Human Chorionic Gonadotropin (HCG) Beta (>98%)

Description

Specificity: Mouse Anti-Human Chorionic Gonadotropin (HCG) Beta (Clone 151) recognizes Human HCG Beta. This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.
Background: Human chorionic gonadotropin (hCG) is a peptide hormone produced in pregnancy, that is made by the embryo soon after conception and later by the syncytiotrophoblast (part of the placenta). Its role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans. hCG may have additional functions, for instance it is thought that it affects the immune tolerance of the pregnancy. Early pregnancy testing generally is based on the detection or measurement of hCG. hCG interacts with the LHCG receptor and promotes the maintenance of the corpus luteum during the beginning of pregnancy causing it to secrete the hormone progesterone. Progesterone enriches the uterus with a thick lining of blood vessels and capillaries so that it can sustain the growing fetus. Due to its highly negative charge hCG may repel the immune cells of the mother, protecting the fetus during the first trimester. It has also been suggested that hCG levels are linked to the severity of morning sickness in pregnant women. Because of its similarity to LH, hCG can also be used clinically to induce ovulation in the ovaries as well as testosterone production in the testes. As the most abundant biological source is women who are presently pregnant, some organizations collect urine from gravidae to extract hCG for use in fertility treatment.

Product Info

Amount :	1.0 mg
Content :	Concentration: 1.0 mg/ml Formulation: This purified antibody is supplied in 0.01 M phosphate buffered saline (PBS), pH 7.4, containing 0.09% sodium azide.
Storage condition :	For long term storage freeze working aliquots at -20°C?in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.