

ARG10180 anti-hCG beta antibody [HCG-2] (HRP)

Package: 100 µl

Store at: -20°C

Summary

Product Description	HRP-conjugated Mouse Monoclonal antibody [HCG-2] recognizes Human chorionic gonadotropin beta subunit (hCG beta) from urine
Tested Reactivity	Hu
Tested Application	ELISA
Host	Mouse
Clonality	Monoclonal
Clone	HCG-2
Isotype	IgG1, kappa
Target Name	hCG beta
Immunogen	Purified human chorionic gonadotropin
Conjugation	HRP
Alternate Names	hCGB; CGB5; CGB7; CGB3; Chorionic gonadotrophin chain beta; CGB8; CG-beta; Choriogonadotropin subunit beta

Application Instructions

Application Note	<p>ELISA: This HRP conjugated antibody can be used as tracer in sandwich ELISA with our matched anti-HCG antibody (mouse anti human HCG monoclonal antibody, cat No: ARG10179). The suggested working condition will be 1:1000 dilution.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>
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Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2) and 50% Glycerol
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1082 Human Swiss-port # P01233 Human
Gene Symbol	CGB
Gene Full Name	chorionic gonadotropin, beta polypeptide
Background	Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by placenta after conception. hCG is comprised of a α subunit with 92 amino acids and a β subunit with 245 amino acids. The α subunit is identical to that of LH (Luteinizing hormone), FSH (Follicle-stimulating hormone) and TSH (Thyroid-stimulating hormone). hCG sustains corpus luteum, stimulates progesterone secretion, hence is critical to early foetus development. It has also been reported that hCG plays a role in the development of foetus's tolerance to maternal immunity. hCG is the most sensitive biomarker for pregnancy.
Function	Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30059 Human Chorionic Gonadotropin ELISA Antibody Duo Related products: hCG antibodies ; hCG ELISA Kits ; hCG Duos / Panels ; Anti-Mouse IgG secondary antibodies ;
Research Area	Cancer antibody; Developmental Biology antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	18 kDa
Cellular Localization	Secreted. [UniProt]