

Anti-HCG Beta Antibody (2B239)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 16 kDa.
Clone:	2B239
Purification:	Protein A purified

Applications

Verified Activity:	Measured by its binding ability in a indirect ELISA. Immobilized Human HCG Beta protein, HisTag at 2 µg/mL (100 µL/well) can bind Mouse Anti-Human HCG Beta Antibody, the EC50 is 27.39 ng/mL.
Application:	ELISA
Recommended	ELISA: 1:5000-100000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	HCG Beta protein
Gene ID:	1082

Research Background

The beta subunit of chorionic gonadotropin (CGB) is encoded by six highly homologous and structurally similar genes that are arranged in tandem and inverted pairs on chromosome 19q13.3, and contiguous with the luteinizing hormone beta (LHB) subunit gene. The CGB genes are primarily distinguished by differences in the 5' untranslated region. This gene was originally thought to be one of the two pseudogenes (CGB1 and CGB2) of CGB subunit, however, detection of CGB1 and CGB2 transcripts in vivo, and their presence on the polysomes, suggested that these transcripts are translated. To date, a protein product corresponding to CGB1 has not been isolated. The deduced sequence of the hypothetical protein of 132 aa does not share any similarity with that of functional CGB subunits (PMID:8954017). However, a 155 aa protein, translated from a different frame, is about the same size, and shares 98% identity with other CGB subunits. [provided by RefSeq, Jul 2008]

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