



# Magic™ Anti-hCG monoclonal antibody, clone N/A (DCAB-TJ160)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with alpha subunit and beta subunit of the whole hCG molecule.
<b>Immunogen</b>	Intact hCG
<b>Isotype</b>	N/A
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Clone</b>	N/A
<b>Purification</b>	> 98% pure (SDS-PAGE). Immunoaffinity Chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Pairs with MAb to hCG beta free subunit, Catalog # DCAB-TJ177 and DCAB-TJ178, in a free beta-hCG sandwich immunoassay. Each laboratory should determine an optimum working titer for use in its particular application. Other applic Suggested pair for testing (Capture - Detection): DCAB-TJ160 - <a href="#">DCAB-TJ177</a>
<b>Format</b>	Affinity Purified, Liquid
<b>Concentration</b>	6.26 mg/mL (OD280 nm)
<b>Size</b>	1 mg
<b>Buffer</b>	0.015 M Potassium Phosphate Buffer, pH 7.4 containing 0.85 % Sodium Chloride.
<b>Preservative</b>	0.01% Sodium Azide

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## BACKGROUND

**Introduction**

In molecular biology, human chorionic gonadotropin (hCG) is a hormone produced by the syncytiotrophoblast, a component of the fertilized egg, after conception. Following implantation, the syncytiotrophoblast gives rise to the placenta. Some cancerous tumors produce this hormone; therefore, elevated levels measured when the patient is not pregnant can lead to a cancer diagnosis. However, it is not known whether this production is a contributing cause or an effect of tumorigenesis. The pituitary analog of hCG, known as luteinizing hormone (LH), is produced in the pituitary gland of males and females of all ages. As of December 6, 2011, the United States FDA has prohibited the sale of "homeopathic" and over-the-counter hCG diet products and declared them fraudulent and illegal.

**Keywords**

hCG; human chorionic gonadotropin

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