

Anti-hCG antibody [HCG1] ab400

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概述

产品名称	Anti-hCG抗体[HCG1]
描述	小鼠单克隆抗体[HCG1] to hCG
宿主	Mouse
特异性	hCG specifically recognises human chorionic gonadotropin. Its affinity for the free beta-chain is slightly greater than its affinity for the whole molecule. hCG - 100% hCG (beta) - 125% hCG (alpha) - <1% hLH - <1% hTSH - <0.05% hFSH - <<0.1% Affinity constant: 5×10^9 l/mol HCG.
经测试应用	适用于: ELISA, RID, RIA
种属反应性	与反应: Human
免疫原	Full length native protein (purified) corresponding to Human hCG.
常规说明	<p>Association Constant: hCG: 4.0×10^6 and hCGbeta: 1.6×10^6</p> <p>Dissociation Constant: hCG: 1.4×10^{-4} and hCGbeta: 3.6×10^{-4}</p> <p>Affinity Constant hCG: $K_A = 2.9 \times 10^{10}$ 1/M; $K_D = 3.4 \times 10^{-11}$ M (= 0.03 nM)</p> <p>Affinity Constant hCGbeta: $K_A = 4.4 \times 10^9$ 1/M; $K_D = 2.3 \times 10^{-10}$ M (= 0.23 nM)</p> <p>Determination method: SPR analysis</p> <p>Antigen: hCG; hCG-beta</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Sodium azide Constituent: 0.9% Sodium chloride
纯度	Protein A purified

克隆	单克隆
克隆编号	HCG1
骨髓瘤	unknown
同种型	IgG1
轻链类型	unknown

应用

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“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
RID		Use at an assay dependent concentration.
RIA		Use at an assay dependent concentration.

靶标

相关性 Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by trophoblastic cells of the placenta beginning 10 to 12 days after conception. Maintenance of the fetus in the first trimester of pregnancy requires the production of hCG, which binds to the corpus luteum of the ovary which is stimulated to produce progesterone which in turn maintains the secretory endometrium. hCG is present only in trace amounts in non pregnant urine and sera. It rises sharply during pregnancy. HCG is composed of two non identical, non covalently linked polypeptide chains designated as the a and b subunits. The a subunit of HCG is nearly identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH) and luteinizing hormone (LH). A germ cell tumor which is positive for cytokeratin, placental alkaline phosphatase (PLAP) and HCG but negative for EMA and AFP is probably a choriocarcinoma.

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