



Rev. Date. Julie, 27, 2017

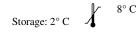
P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Tel. (435) 755-9848 - Fax (435) 755-0015 - <u>www.scytek.com</u>

HCG-beta (Pregnancy & Choriocarcinoma Marker); Clone HCGb/211 (Concentrate)

Availability/Contents:	Item #	Volume
-	RA0508-C.1	0.1 ml
	RA0508-C.5	0.5 ml
	RA0508-C1	1 ml
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Description:

Species: Immunogen: Clone: Isotype: Entrez Gene ID: Hu Chromosome Loc.: Synonyms:	Mouse Purified human HCG-beta. HCGb/211 IgG1 1082 19q13.33 CG-beta; CGB3; CGB5; CGB7; CGB8; Choriogonadotropin Subunit beta; hCGB.	
Mol. Weight of Antigen:	22kDa	
Format:	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.	
Specificity:	This monoclonal antibody reacts with a protein of 22kDa, identified as HCG-beta, a sub-unit of HCG. It does not cross react with the alpha sub-unit.	
Background:	HCG is a glycoprotein, which is secreted in large quantities by normal trophoblasts. It is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. HCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the ? and ? subunits. The ? subunit is identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and luteinizing hormone (LH). hCG MAb detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90% and 60% of cases respectively. 20% of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.	
Species Reactivity: Positive Control: Cellular Localization: Titer/ Working Dilution: Microbiological State:	Reacts with human. Others not known. Placenta. Cytoplasmic, secreted. Immunohistochemistry (Frozen): 0.5-1 µg/ml This product is not sterile.	





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Emergo Europe Prinsessegracht 20 2514 AP The Hague, The Netherlands

Doc: IFU-Template2-8rev2



Instructions For Use RA0508-C-IFU-RUC

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Uses/Limitations:

Not to be taken internally. For Research Use Only. This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Do not use if reagent becomes cloudy. Do not use past expiration date. Non-Sterile.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

- 1. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
- 2. **Visualization:** For maximum staining intensity we recommend the "CRF Anti-Polyvalent HRP Polymer (DAB) Lab Pack" (ScyTek catalog# CPP125, see IFU for instructions), combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).

Do not pipette by mouth. Avoid contact of reagents and specimens with skin and mucous membranes. Avoid microbial contamination of reagents or increased nonspecific staining may occur. This product contains no hazardous material at a <u>reportable concentration</u> according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

- 1. Cocquebert M et. al. Am J Physiol Endocrinol Metab. 2012;303(8):E950-8.
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