



	Technical Data Sheet	
Product	Anti-beta-hCG Purified	
Cat. Number/Size	11-123-C025	0.025 mg
	11-123-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	beta-hCG	
Clone	HCG-61	
Format	Purified	
Reactivity	Human	
Application	ICC, ELISA	
Isotype	Mouse IgG2b	
Specificity	The antibody HCG-61 reacts with beta-subunit of human chorionic gonadotropin, a 40 kDa hormone. hCG belongs to the glycoprotein hormone family together with lutropin (LH), follitropin (FSH) and thyrotropin (TSH). hCG is synthesised by trophoblastic cells of the placenta during pregnancy and stimulates the growth of corpus luteum. The HCG-61 antibody reacts with association constant 5.1×10^{10} l/mol. Following cross-reactivity (%) was determined by classic double-antibody RIA using unlabelled hormones: beta-hCG (77), alpha-hCG (1.3), hLH (0.86), hFSH (< 0.5), hTSH (< 0.5).	
Other names	Choriogonadotropin beta, CG-beta	
Immunogen	Human chorionic gonadotropin.	
Entrez Gene ID	93659	
Gene name	CGB	
NCBI Full Gene Name	chorionic gonadotropin subunit beta	
UniProt ID	P0DN86	
Concentration	1 mg/ml	
Preparation	Purified by protein-A affinity chromatography.	
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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