

Mouse HCG-beta Monoclonal Antibody | anti-HCG-beta antibody

HCG-beta (Pregnancy & Choriocarcinoma Marker)

CATALOG # AAA62922	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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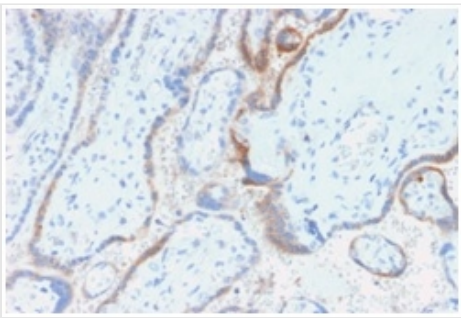
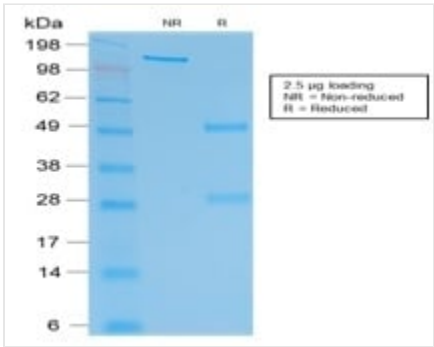
PRODUCT SYNONYMS

HCG-beta; Monoclonal Antibody; HCG-beta (Pregnancy & Choriocarcinoma Marker); CG-beta; CGB3; CGB5; CGB7; CGB8; Choriogonadotropin Subunit beta; hCGB; anti-HCG-beta antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rHCGb/54
Specificity	This MAb reacts with a protein of 22kDa, identified as beta sub-unit of HCG. It does not cross react with the alpha sub-unit. 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 α and β subunits. The β 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-HCG-beta antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length hCG beta protein
Cellular Localization	Cytoplasmic, secreted
Hu-chromosome Location	19q13.33
Positive Control	JAR or TT Cells. Placenta
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human placenta stained with hCG beta Mouse Recombinant Monoclonal Antibody (rHCGb/54).

SDS-PAGE
SDS-PAGE Analysis of Purified hCG beta Mouse Recombinant Monoclonal Antibody (rHCGb/54).

ADDITIONAL INFORMATION

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

NCBI GI #	116184
NCBI GeneID	94115
UniProt Accession #	P01233
Molecular Weight	22kDa
NCBI Official Synonym Full Names	chorionic gonadotropin subunit beta 8
NCBI Official Symbol	CGB8
NCBI Protein Information	chorionic gonadotropin, beta polypeptide 8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hcg-beta-antibody-clone-rhcg-54-immunohistochemistry-elisa/62922>