HCG-beta (Pregnancy & Choriocarcinoma Marker) Antibody

Mouse Monoclonal Antibody [Clone HCGb/54+ HCGb/459]

Catalog No	Format	Size
1082-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1082-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1082-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

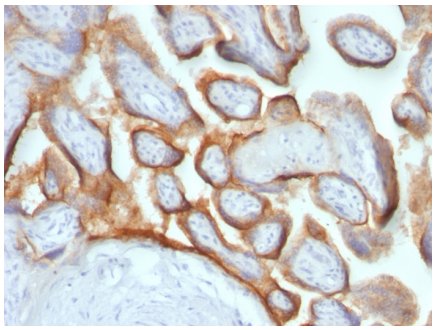
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	HCGb/54+ HCGb/459
Gene Name	CGB3, CGB5, CGB8, NA
Immunogen	Recombinant hCG beta protein (HCGb/54 and HCGb/459)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	22kDa
Cellular Localization	N/A
Species Reactivity	Human
Positive Control	Placenta.

**Optimal dilution for a specific application should be determined.*

Product Images for HCG-beta (Pregnancy & Choriocarcinoma Marker) Antibody



Formalin-fixed, paraffin-embedded human Placenta stained with hCG beta Mouse Monoclonal Antibody (HCGb/54 + HCGb/459).

Specificity & Comments

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 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.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.