

CATALOGUE #: 2H8

PRODUCT NAME: Monoclonal mouse anti-human chorionic gonadotropin (HCG)

MAbs <i>in vitro</i>:	F1cc Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.						
MAbs <i>in vivo</i>:	28A4, 27E8, 77F12 Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.						
Immunogen:	Purified hCG alpha chain for F1cc Native human HCG (whole molecule) for 28A4, 27E8, 77F12						
Specificity:	28A4 and 27E8 specifically recognize beta-subunit of HCG. MAbs are not cross-reacting with hLH, hTSH, hFSH. 77F12 specifically recognizes HCG; it reacts mainly with alpha-subunit. It is cross-reacting with whole molecule of HCG, hLH, hTSH and hFSH. Cross-reactivity with free beta-subunit of HCG was not detected. F1cc is specific for the alpha-chain of FSH, LH, TSH and HCG.						
MAb isotypes:	IgG1 for 27E8, F1cc IgG2a for 28A4 IgG2b for 77F12						
Applications:	Detection of HCG in immunoassays. Suitable for immunochromatography (not tested with F1cc). Best recommended pairs for sandwich immunoassay: <table border="1"> <thead> <tr> <th>Capture</th><th>Detection</th></tr> </thead> <tbody> <tr> <td>77F12</td><td>28A4</td></tr> <tr> <td>27E8</td><td>28A4</td></tr> </tbody> </table>	Capture	Detection	77F12	28A4	27E8	28A4
Capture	Detection						
77F12	28A4						
27E8	28A4						
Purification:	Protein A chromatography						
Presentation:	PBS, pH 7.4, 0.09 % sodium azide (NaN ₃)						
Storage:	+4 °C (+2 ... +8 °C allowed)						
Material safety note:	This product is sold for research or further manufacturing use only . Standard Laboratory Practices should be followed when handling this material. Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.						