



# DataSheet

**CATALOGUE #:** 2H8

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

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**MAbs *in vitro*:** 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 *in vivo*:** 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:**

MAbs 28A4 and 27E8 specifically recognize beta-subunit of HCG. MAbs are not cross-reacting with hLH, hTSH, hFSH.

MAb 77F12 specifically recognizes HCG; it reacts mainly with alpha-subunit. MAb is cross-reacting with whole molecule of HCG, hLH, hTSH and hFSH. Cross-reactivity with free beta-subunit of HCG was not detected.

MAb 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 (capture-detection):  
77F12 - 28A4, 27E8 - 28A4

**Purification:**

Protein A chromatography

**Presentation:**

PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>)

**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.

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