



# DataSheet

**CATALOGUE #:** 2H8

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

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**MAbs:** 28A4, 27E8, 77F12, F1

**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 F1 is specific for the alpha-chain of FSH, LH, TSH and HCG.

**MAb isotypes:** **IgG1** for MAbs 27E8, F1

**IgG2a** for MAb 28A4

**IgG2b** for MAb 77F12

**Applications:** Detection of HCG in immunoassays. Suitable for immunochromatography (not tested with MAb F1).

Best recommended pairs for sandwich immunoassay (capture-detection):  
77F12 - 28A4, 27E8 - 28A4

**Purification:** Ion exchange chromatography for MAb F1.

Protein A chromatography for MAbs 28A4, 27E8 and 77F12.

**Presentation:** 0.15 M NaCl, 10 mM Tris, pH 7.5, 0.05% sodium azide (NaN<sub>3</sub>) for MAb F1.

PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>) for MAbs 28A4, 27E8 and 77F12.

**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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