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ISO9001:2000/ISO13485:2003 & IVD GMP CERTIFIED

SPECIFICATION SHEET

PRODUCT:	Duck IgY(Δ Fc) to Beta subunit of Human Chorionic Gonadotropin (β-hCG) —affinity purified
CATALOG NUMBER	D0401-2D-1
HOST ANIMAL:	Duck
DESCRIPTION:	IgY (Δ Fc) to human β -hCG is developed in duck by using human β -hCG as immunogen. Affinity purified IgY (Δ Fc) is purified by peptide coupling chromatography. The product is supplied as a solution in 20mM MES (2- (N-Morpholino) ethanesulfonic acid) , 0.14M sodium chloride, pH 5.8, containing 0.02% NaN ₃ as a preservative.
IMMUNOGEN:	Ultra-pure native human β -hCG
CONCENTRATION:	≥ 1.0 mg/ml, determined by absorbance at 280 nm and using 1.4 as the extinction coefficient
PURITY:	Determined by SDS-PAGE(blue stain), showing that the IgY(Δ Fc) constitute was $\geq 90\%$ of total protein; and the total immunoglobulin IgY + IgY(Δ Fc) constitute was $\geq 95\%$ of total protein.
STORAGE:	For continuous use, store at 0~5°C. For extended storage: -20°C. Repeated freezing and thawing is not recommended.
SPECIFICITY:	This antibody specifically recognized human β -hCG in western blot analysis; no cross-reaction was shown when the antibody react with α -hCG 、 LH 、 FSH 、 TSH. Similar specific reactions were observed when the antibody was tested by ELISA.
TITER:	ELISA titer : $\geq 1000x$ ELISA titer is defined as the dilution of antibody (1mg/ml) sufficient to give a change in absorbance of 1.0 at 450nm. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.
APPLICATIONS:	Good to be used in immunoassay method e.g. ELISA, Western blot assay, immunochromatography assay (rapid test) <i>et al.</i>
RELATIVE PRODUCTS:	Duck IgY(Δ Fc) to Beta subunit of Human Chorionic Gonadotropin (β -hCG) —affinity purified (D0401-2D-2)

For *in vitro* research and manufacturing of diagnostic only.