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ISO9001:2000/ISO13485:2003 & IVD GMP CERTIFIED

## SPECIFICATION SHEET

PRODUCT:	Duck IgY( $\Delta$ Fc) to <b>Beta subunit of Human Chorionic Gonadotropin (<math>\beta</math>-hCG)</b> —affinity purified
CATALOG NUMBER	D0401-2D-2
HOST ANIMAL:	Duck
DESCRIPTION:	IgY ( $\Delta$ Fc ) to human $\beta$ -hCG is developed in duck by using synthetic peptide as immunogen. Affinity purified IgY ( $\Delta$ 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 0.1% NaN <sub>3</sub> as a preservative.
IMMUNOGEN:	synthetic peptide
CONCENTRATION:	$\geq 1.0$ 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( $\Delta$ Fc) constitute was $\geq 90\%$ of total protein; and the total immunoglobulin IgY+IgY( $\Delta$ 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 $\beta$ -hCG in western blot analysis; no cross-reaction was shown when the antibody react with $\alpha$ -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 <b>1.0</b> 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( $\Delta$ Fc) to Beta subunit of Human Chorionic Gonadotropin ( $\beta$ -hCG) —affinity purified ( <b>D0401-2D-1</b> )

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