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ISO9001:2000/ISO13485:2003 & IVD GMP CERTIFIED

## SPECIFICATION SHEET

PRODUCT:	Duck IgY( $\Delta$ Fc) to <b>Human alpha-fetoprotein</b> —affinity purify
CATALOG NUMBER	D0201-2D
HOST ANIMAL:	Duck
DESCRIPTION:	IgY ( $\Delta$ Fc ) to human alpha fetoprotein is developed in duck by using human alpha fetoprotein as immunogen. Affinity purified IgY ( $\Delta$ Fc ) is purified by alpha fetoprotein 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 <sub>3</sub> as a preservative.
IMMUNOGEN:	Purified human alpha-fetoprotein
CONCENTRATION:	$\geq 1.0$ mg/ml, The concentration was determined by 280 nm by spectrophotometer, 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:	A single arc was shown by Immunoelectrophoresis while the antibody was reacting with part-pure alpha-fetoprotein and normal human serum. Similar specific reactions were observed when the antibody was tested by western blot assay.
TITER:	ELISA titer: $\geq 10000x$ 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. TIA, ELISA, Immunoelectrophoresis, Western Blot assay, Immunodiffusion assay <i>et al.</i>
RELATIVE PRODUCTS:	Duck IgY( $\Delta$ Fc) to Human alpha-fetoprotein ( <b>D0201-2B</b> )

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