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ISO9001:2000/ISO13485:2003 & IVD GMP CERTIFIED

## SPECIFICATION SHEET

PRODUCT:	Duck IgY( $\Delta$ Fc)—Fab' to <b>Krait venom</b> —affinity purify
CATALOG NUMBER	D2003-3D
HOST ANIMAL	Duck
DESCRIPTION:	IgY ( $\Delta$ Fc ) to krait venom is developed in duck by using <i>B. multicinctus</i> venom as immunogen. Affinity purified IgY ( $\Delta$ Fc ) is purified by krait venom coupling chromatography. Fab' is performed by enzyme digestion. The product is supplied as a solution in 10mM phosphate buffer, 0.14M sodium chloride, pH 7.0, containing 0.005% Thimerosal as a preservative.
IMMUNOGEN:	Snake Venom of <i>B. multicinctus</i>
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 Fab' constitute was $\geq 95\%$ of total protein.
STORAGE:	For continuous use, store at 0~5°C. For extended storage: -20°C. Repeating freezing and thawing is not recommended.
SPECIFICITY:	This antibody specifically recognized krait venom in western blot analysis; cross-reactivity to other snake venom has not yet been tested.
TITER:	ELISA titer : $\geq 5000x$ 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. Neutralization titer : $\geq 20.0$ (units/mg antibody) The antibody was recognized as 1 unit while 1x minimal lethal dose/13g ICR mouse of venom was neutralized by this antibody.
APPLICATIONS:	Good to be used in immunoassay method e.g. ELISA, Western Blot assay, Immunoelectrophoresis, Immunodiffusion assay, Neutralization testing <i>et al.</i>
RELATIVE PRODUCTS:	Bivalent antivenin for Duck IgY( $\Delta$ Fc) antibody to <b>Cobra and Krait venom (D2004-2B)</b> Duck IgY( $\Delta$ Fc) to Krait venom ( <b>D2003-2B</b> ) Duck IgY( $\Delta$ Fc) to Krait venom—affinity purify ( <b>D2003-2D</b> )

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