

## The Non-Collagenous Domain (NC1) Fraction of Bovine Type IV Collagen

Catalog # 1102

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DESCRIPTION:	NC1 fraction of type IV collagen isolated from collagenase-solubilized bovine glomerular basement membrane.
APPLICATION:	Use for the induction of experimental autoimmune glomerulonephritis (EAG) in Wistar Kyoto (WKY) rats.
QUANTITY:	1 mg
FORM:	Lyophilized powder
SOURCE:	Bovine kidney glomerular basement membrane
USAGE:	<p>Please refer to the "Induction of experimental autoimmune glomerulonephritis in WKY rats" protocol for more detailed explanations.</p> <p>Induction of EAG by immunization of NC1 fraction of type IV collagen:</p> <p>Animals: 7-8 weeks or older WKY rats. Sensitivity to EAG may vary depending on the sub-strain of WKY rat, animal vendor, or facility.</p> <p>Antigen: Dissolve one vial of NC1 fraction in 1 ml of PBS.</p> <p>Emulsion: Make an emulsion using 1 mg/ml of NC1 fraction with an equal volume of complete Freund's adjuvant (catalog # 7008 - M. Tuberculosis, 1 mg/ml).</p> <p>Immunization: Inject 0.2 ml (NC1 fraction - 0.1 mg) of the emulsion, subcutaneously at the base of the rat tail.</p> <p>Evaluation of EAG: Measure a 16-hour proteinuria to determine the severity of EAG once a week after immunization. Chondrex's Rat Urinary Protein Assay Kit (catalog # 9040) is recommended for the proteinuria assay. Proteinuria is usually observed on day 14 - 21 in susceptible WKY rats and reaches a maximum level on day 21 - 28. We recommend observing the rats until day 35.</p>
STORAGE TEMPERATURE:	4°C in the dark
STABILITY:	1 year