

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

Catalog # 1102

For Research Use Only - Not Human or Therapeutic Use

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| DESCRIPTION: | NC1 fraction of type IV collagen isolated from collagenase-solubilized bovine glomerular basement membrane. |
| APPLICATION: | Use to induce experimental autoimmune glomerulonephritis (EAG) in Wistar Kyoto (WKY) rats. |
| QUANTITY: | 1 mg |
| FORM: | Lyophilized powder |
| SOURCE: | Bovine kidney glomerular basement membrane |
| MOLECULAR WEIGHT: | N/A |
| PURITY: | N/A |
| USAGE: | Please refer to Chondrex, Inc.'s " Inducing Experimental Autoimmune Glomerulonephritis in WKY Rats " protocol for more details. Inducing EAG by immunizing rats with the NC1 fraction of type IV collagen: 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. Antigen: Dissolve one vial of NC1 fraction in 1 ml of PBS. Emulsion: Make an emulsion using 1 mg/ml of NC1 fraction with an equal volume of complete Freund's adjuvant (Cat # 7008 - <i>M. Tuberculosis</i> , 1 mg/ml). Immunization: Inject 0.2 ml (NC1 fraction - 0.1 mg) of the emulsion, subcutaneously at the base of the rat tail. Evaluating EAG: Measure a 16-hour proteinuria to determine the severity of EAG once a week after immunization. Chondrex, Inc.'s Rat Urinary Protein Assay Kit (Cat # 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. Chondrex, Inc. recommends observing the rats until day 35. |
| STORAGE: | 4°C in the dark |
| STABILITY: | 1 year |
| NOTES: | N/A |
| REFERENCES: | N/A |

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