

Datasheet for 001-001-106

Bovine Collagen Type IV**Overview**

Description:	Bovine Collagen Type IV - 001-001-106
Item No.:	001-001-106
Size:	500 µg
Applications:	SDS-PAGE
Origin:	Bovine

Product Details

Background:	Bovine Collagen Type IV is one of a family of proteins found particularly in the flesh and connective tissues of mammals (approximately one-third of the body's total protein). Over two dozen types of collagen have been described, though Type IV in particular is involved in forming the foundation of cellular basement membranes, the lens of the eye, and within the capillaries of the glomeruli and nephron in the kidneys.
Synonyms:	Type IV collagen, collagen 4, bovine collagen
Species of Origin:	Bovine
Type:	Native Protein

Target Details

Gene Name:	COL4A1-COL4A4
Purity/Specificity:	Bovine Collagen Type IV has been prepared from Bovine Placenta and is chromatographically and immunologically pure. Bovine Collagen Type IV reacts with anti-Collagen Type IV. Reaction with Rockland's anti-Collagen I, II, III, V or VI is negligible.
Relevant Links:	• UniProtKB - Q7SIB2 • UniProtKB - Q28084 • UniProtKB - Q7SIB3 • GenelD - 407107 • NCBI - DAA32356.1 • UniProtKB - Q29442

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Bovine Collagen Type IV has been tested in SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	1:100-1:500
WB:	1:1000

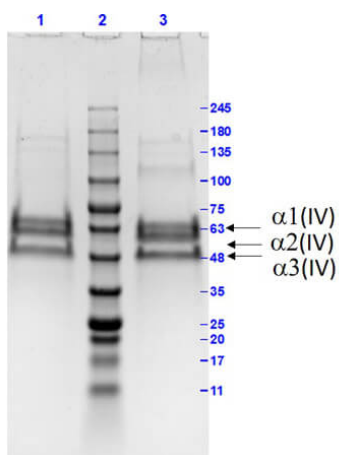
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by nanodrop at 205 nm
Buffer:	0.5 M Acetic Acid
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Bovine Collagen Type IV is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Storing dilutions is not recommended.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE

SDS-PAGE of Bovine Collagen Type IV. Lane 1: Bovine Collagen Type IV Reduced (5.0µg). Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: Bovine Collagen Type IV Non-Reduced (5.0µg). Observed MW: α1, α2, α3 bands. 4-20% Gel Coomassie Stained.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.