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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 • GeneID - 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

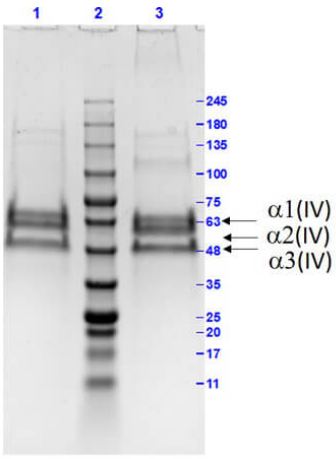
Formulation

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

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