

Datasheet for 001-001-108**Bovine Collagen Type VI****Overview**

Description:	Bovine Collagen Type VI - 001-001-108
Item No.:	001-001-108
Size:	500 µg
Applications:	Dot Blot
Origin:	Bovine

Product Details

Background:	In muscle tissue, collagen serves as a major component of the endomysium. Collagen constitutes one to two percent of muscle tissue, and accounts for 6% of the weight of strong, tendinous muscles. A collagen may be defined as a protein containing sizable domain(s) of triple-helical conformation. Type IV collagen is a major macromolecular constituent of basement membranes and can be readily isolated from basement-membrane-rich tissues or highly vascularized tissues such as the placental villi. This collagen appears to be largely restricted to structures identifiable as basement membranes. In contrast, type VI collagen appears to be prevalent in several tissues even though it has been isolated largely from placental villi preparations. The extent to which type VII and VIII collagens are distributed is not known.
Synonyms:	Collagen alpha 1 (VI) chain, COL6A1, Bovine Collagen Type VI
Species of Origin:	Bovine
Type:	Native Protein

Target Details

Gene Name:	COL6A1
Purity/Specificity:	This product has been prepared from Bovine Placenta and is chromatographically and immunologically pure. This product reacts with anti-Collagen Type VI. Reaction with Rockland's anti-Collagen I, II, III, IV or V is negligible.

Application Details

Tested Applications:	Dot Blot
Application Note:	For use as a control or standard in indirect trapping ELISA for quantitation of antigen using a standard curve, for immunoprecipitation and for other immunological assays as optimized by the user. Specific conditions should be optimized by user.
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

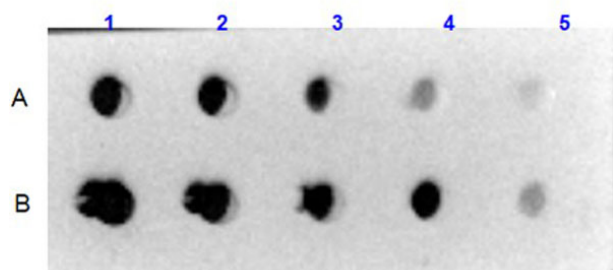
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by modified Lowry assay
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. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Dot Blot

Dot Blot results using Rabbit Anti-Collagen VI Antibody.

Sample: A) Human Collagen VI (p/n 009-001-108), B)

Bovine/Human Collagen VI (p/n 001-001-108).

Load: 1) 1000ng, 2) 333.33ng, 3) 111.11ng, 4) 37.03ng, 5) 12.35ng.

Primary Antibody: Rabbit Anti-Collagen VI antibody (p/n 600-401-108) at 5µg/mL at RT for 1hr.

Secondary Antibody: Goat Anti-Rabbit IgG HRP Conjugated (p/n 611-1302) 1:40,000 at RT for 30mins.

Blocking: BlockOut® Universal Blocking Buffer (p/n MB-073) at RT for 30mins.

Disclaimer

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