



Anti-Collagen Type IV monoclonal antibody, clone 5B2I11 (DMAB7230)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Collagen Type IV
Specificity	This antibody is specific to human collage type IV.
Immunogen	Human collage type IV
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5B2I11
Affinity Constant	Not determined
Purification	DEAE chromatography; >95% by HPLC and SDS-PAGE
Conjugate	Unconjugated
Applications	EIA
Format	Purified, liquid
Size	500 ug
Buffer	0.015M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN ₃ , pH=7.2
Preservative	0.05% Sodium Azide
Storage	2°C-8°C for 1 year. Store at -20°C for long term.

BACKGROUND

Introduction

Type-IV collagen is a type of collagen found primarily in the basal lamina. The type IV collagen C4 domain at the C-terminus is not removed in post-translational processing, and the fibers link head-to-head, rather than in parallel. Also, type-IV lacks the regular glycine in every third residue necessary for the tight, collagen helix. This makes the overall arrangement more sloppy with kinks. These two features cause the collagen to form in a sheet, the form of the basal lamina.

Keywords

Collagen Type IV; Type-IV collagen; COL4A2; collagen, type IV, alpha 2; FLJ22259; DKFZp686l14213; collagen alpha-2(IV) chain; canstatin; collagen type IV alpha 2; Collagen alpha-2(IV) chain; Canstatin; OTTHUMP00000018700; COL4A3; collagen, type IV, alpha 3 (Goodpasture antigen); collagen alpha-3(IV) chain; tumstatin; collagen IV, alpha-3 polypeptide; Goodpasture antigen; Collagen alpha-3(IV) chain; Tumstatin; OTTHUMP00000203997; COL4A5; collagen, type IV, alpha 5; ATS; ASLN; CA54; MGC42377; MGC167109; collagen alpha-5(IV) chain; dA24A23.1; dA149D17.3; collagen IV, alpha-5 polypeptide; collagen of basement membrane, alpha-5 chain; Alport syndrome; Collagen alpha-5(IV) chain; OTTHUMP00000023838; OTTHUMP00000217926; OTTHUMP00000217927; COL4A4; collagen, type IV, alpha 4; CA44; collagen alpha-4(IV) chain; Collagen IV, alpha-4 polypeptide; collagen of basement membrane, alpha-4 chain; Collagen alpha-4(IV) chain; OTTHUMP00000195046; COL4A1; collagen, type IV, alpha 1; arresten; collagen alpha-1(IV) chain; COL4A1 NC1 domain; collagen IV, alpha-1 polypeptide; collagen of basement membrane, alpha-1 chain; Arresten; Collagen alpha-1(IV) chain; OTTHUMP00000018698; OTTHUMP00000194462; EC 3.4.23; EC 6.3.1.2