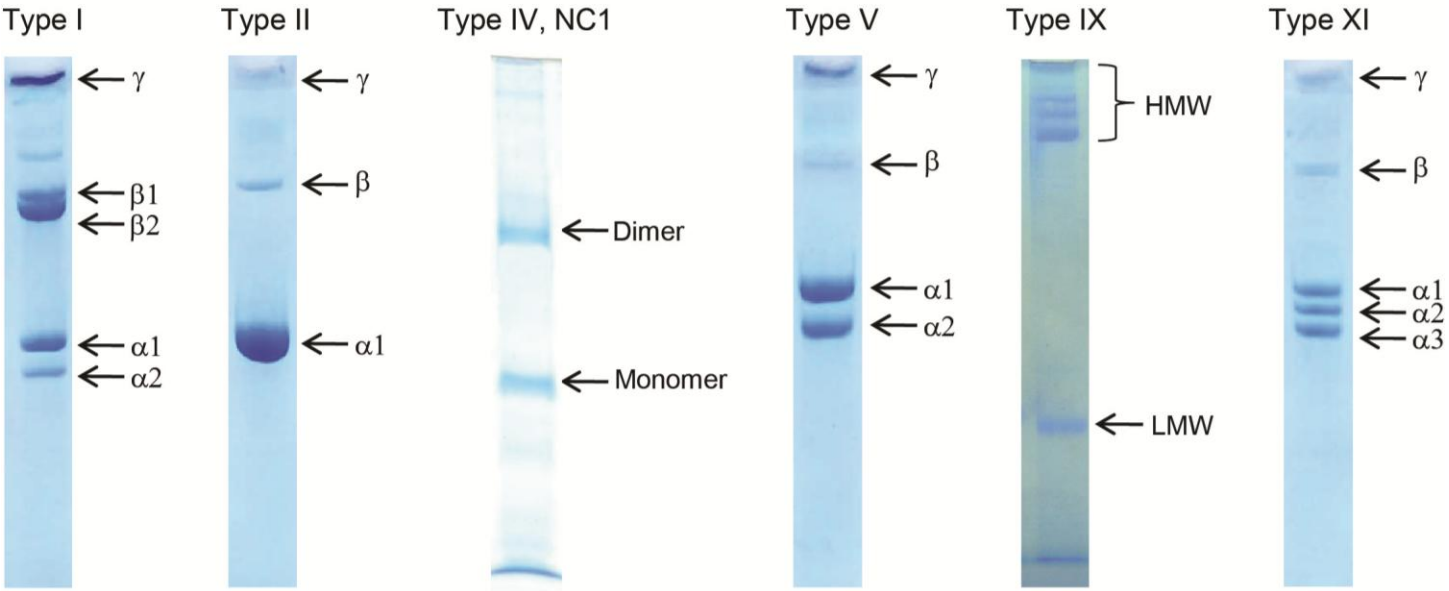
Collagen

Chondrex, Inc. provides various species and types of collagen for a variety of purposes such as immunization for collagen-induced arthritis (CIA) in experimental animals, tissue engineering, cell culture, and antibody assays. For more information about these products, please contact Chondrex, Inc. at support@chondrex.com.

Collagen	Location	Purpose
Type I	Connective tissues	Tissue engineering, cell culture, and tolerogenic antigen in some autoimmune diseases
Type II	Avascular tissues (cornea and cartilage)	Induces autoimmune-mediated arthritis (CIA) in experimental animals
Type IV	Basement membranes of various tissues	The non-collagenous fragments (NC1) are auto-antigens in Goodpasture's Syndrome, which can lead to kidney damage
Type V	Amnion and placenta	Graft rejection
Type IX	Co-located with Type II and Type XI collagen	Autoantibodies to Type IX collagen may be involved in the development of polychondritis in CIA experimental animals
Type XI	Co-located with Type II and Type IX collagen in articular cartilage	Regulates fibrillogenesis of Type II collagen

Bovine Collagen – SDS PAGE Analysis Under Non-Reducing Conditions



Immunization Grade Collagen

Species	Type I	Type II Powder	Type II Solution	Type III	NC1 of Type IV	Type V	Type IX	Type XI
Bovine	1062	20021	20022	1302	1102	Amnion 1092	1072	1082
Chick	1061	20011	20012	-	-	-	1071	1081
Goat	-	20071	-	-	-	-	-	-
Human	1065	20051	20052	1305	-	Amnion 1095 Placenta 10951	1075	1085
Mouse	1066	20061	20062	1306	1106	-	-	-
Porcine	1063	20031	20032	1303	-	-	1073	1083
Rat	1064	20041	20042	1307	1104	-	-	-
Sheep	-	20081	-	-	-	-	-	-
Salmon	-	20091	-	-	-	-	-	-

ELISA Grade, T-Cell Grade, and Cell Culture Grade Collagen

Species	ELISA Type I	ELISA Type II	T-Cell Type I	T-Cell Type II	Cell Culture Type I
Bovine	1002	2012	1052	2022	1202
Chick	1001	2011	1051	2021	-
Human	1005	2015	1055	2025	-
Monkey	-	2017	-	2027	-
Mouse	1006	2016	1056	2026	-
Porcine	1003	2013	1053	2023	1203
Rat	1004	2014	1054	2024	-