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## ABBREVIATIONS

B-HABPs	biotinylated hyaluronan binding proteins
BSA	bovine serum albumin
CO <sub>2</sub>	carbon dioxide
COX	cyclooxygenase
CS	chondroitin sulfate
CS-C	chondroitin 6-sulfate
DBA	dye binding assay
Dia	Diacerein
DMEM	Dulbecco's modified Eagle medium
DMPBD	(E)-1-(3,4-dimethoxyphenyl)butadiene
DS	dermatan sulfate
ECM	extracellular matrix
EDTA	ethylenediaminetetraacetic acid
ELISA	enzyme-linked immunosorbent assay
GAGs	glycosaminoglycans
Gal	galactose
GalNAc	N-acetylgalactosamine
GlcA	glucuronic acid
GlcNAc	N-acetylglucosamine
g	gram

HA	hyaluronan
HABPs	hyaluronan binding proteins
HEPES	N-2-hydroxyethylpiperazine-N-2-ethanesulphonic acid
Hr	hour
HS	heparan sulfate
H <sub>2</sub> SO <sub>4</sub>	sulfuric acid
IgM	immunoglobulin M
IL-1 $\beta$	interleukin-1 $\beta$
LOX	Lipoxygenase
kDa	kilodalton
kg	kilogram
KS	keratan sulfate
L	liter
M	molar
MAb	monoclonal antibody
mA	milliampere
MMPs	matrix metalloproteinases
MW	molecular weight
mg	milligram
$\mu$ g	microgram
min	minute

ml	milliliter
mm	millimeter
mm <sup>2</sup>	square millimeter
ng	nanogram
n, no.	number
ng	nanogram
nm	nanometer
NSAIDs	non-steroid anti-inflammatory drugs
OA	osteoarthritis
PAGE	polyacrylamide gel electrophoresis
PBS	phosphate buffer saline
P-EtOH	ethanol extracted Plai
PG	proteoglycan
P-Hex	hexane extracted Plai
P-H <sub>2</sub> O	water extracted Plai
PPS	pentosan polysulfate
RA	rheumatoid arthritis
RetA	retinoic acid
SD	standard deviation
SDS	sodium dodecyl sulphate
TEMED	N,N,N',N'-tetra-methyl-ethylenediamine
Tween-20	polyoxyethylene sorbitan monolaurate



U	unit
V	voltage
Yr.	year
W/v	weight by volume
W/w	weight by weight
%	percent
°C	degree Celcius
µg	microgram
µM	micromolar
µl	microlitre

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