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ABBREVIATIONS

A1	Associated form 1
b-HA	biotinylated-hyaluronan
BSA	bovine serum albumin
CRP	C-reactive protein
CS	chondroitin sulfate
CsCl	cesium chloride
CV	coefficient of variation
DAB	3,3'-diaminobenzidine
DS	dermatan sulfate
ECM	extracellular matrix
EDAC	1-ethyl-3-(3-dimethylamino-propyl) carbodiimine
EGF	epidermal growth factor
ESR	erythrocyte sedimentation rate
ELISA	enzyme-linked immunosorbent assay
g	gram
GAGs	glycosaminoglycans
Gal	galactose
GalNAc	<i>N</i> -acetylgalactosamine
GlcA	glucuronic acid
GlcNAc	<i>N</i> -acetylglucosamine
GM-CSF	granulocyte-macrophage colony- stimulating factor
GuHCl	guanidine hydrochloride
HA	hyaluronan
HABPs	hyaluronan-binding proteins
HAT medium	hypoxanthine-aminopterin-thymidine medium

HS	heparan sulfate
IGD	interglobular domain
IGF-I	insulin-like growth factor-I
IgM	immunoglobulin M
IL-1 β	Interleukin-1 β
IMDM	Iscoe's Modified Dulbecco's Medium
kD	kilodalton
KS	keratan sulfate
L	Liter
LIF	leukocyte inhibitory factor
LPS	lipopolysaccharide
M	molar
mAb	monoclonal antibody
min	minute
ml	milliliter
MMP	metalloproteinase
mg	milligram
MW	molecular weight
n	number
NaCl	sodium chloride
NaHCO ₃	sodium bicarbonate
NB	non-bound
ng	nanogram
OA	osteoarthritis
PAGE	polyacylamide gel electrophoresis
PBS	phosphate buffer saline
PGE	prostaglandin E
PGs	proteoglycans
PTRs	Proteoglycan tandem repeats
r	correlation coefficient

RA	rheumatoid arthritis
RHAMM	receptor for HA-mediated motility
SD	standard deviation
SHAP-HA	serum derived hyaluronan-associated protein-hyaluronan
TEMED	N,N,N',N'-tetra-methyl-ethylenediamine
TNF- α	tumor necrosis factor- α
TSG-6	tumor necrosis factor stimulated gene-6
Tween 20	polyoxyethylene sorbitan monolaurate
v/v	volume by volume
$^{\circ}\text{C}$	degree Celsius
μg	microgram
μl	microliter