

## Major Resources Tables

### ELISA

Target antigen	Vendor or Source	Catalog #	Lot # (preferred but not required)
IL-6	R&D Systems	DY206	
Col-1	R&D Systems	DY6220-05	
IL-1 $\beta$	R&D Systems	DY201	
MMP10	R&D Systems	DY910	
TNF- $\alpha$	R&D Systems	DY210	
TIMP-1	R&D Systems	DY970	
BMP-4	R&D Systems	DY314	
OPN	R&D Systems	DY1433	

### Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)
MMP10	R&D Systems	MAB9101	5 $\mu\text{g}/\text{mL}$	
$\alpha$ -SMA	Sigma Aldrich	A7607	10 $\mu\text{g}/\text{mL}$	
Vimentin	Santa Cruz	sc-373717	2 $\mu\text{g}/\text{mL}$	
Runx2	Sigma Aldrich	AMAb90591	10 $\mu\text{g}/\text{mL}$	
Sox-9	Sigma Aldrich	AMAb90795	10 $\mu\text{g}/\text{mL}$	
OPN	Santa Cruz	sc-21742	2 $\mu\text{g}/\text{mL}$	
Periostin	Santa Cruz	sc-67233	2 $\mu\text{g}/\text{mL}$	
BMP-2	Abcam	ab14933	7.3 $\mu\text{g}/\text{mL}$	
BMP-4	Abcam	ab39973	10 $\mu\text{g}/\text{mL}$	
AKT	Cell Signaling	#9272	0.34 $\mu\text{g}/\text{mL}$	
p-AKT	Cell Signaling	#9271	0.1 $\mu\text{g}/\text{mL}$	
ERK 1/2	Cell Signaling	#9102	0.19 $\mu\text{g}/\text{mL}$	
p-ERK 1/2	Cell Signaling	#4377	0.98 $\mu\text{g}/\text{mL}$	
NF $\kappa$ B	Cell Signaling	#4764	0.83 $\mu\text{g}/\text{mL}$	
p-NF $\kappa$ B	Cell Signaling	#3033	0.57 $\mu\text{g}/\text{mL}$	
BMP-9	Santa Cruz	sc-514211	2 $\mu\text{g}/\text{mL}$	
Smad 1/5/8	Sigma Aldrich	SAB2702532	10 $\mu\text{g}/\text{mL}$	

**Immunochemistry**

<b>Target antigen</b>	<b>Vendor or Source</b>	<b>Catalog #</b>	<b>Working concentration</b>	<b>Lot # (preferred but not required)</b>
Alkaline phosphatase: Naphthol AS-MX N,N-Dymethylformamide MgCl <sub>2</sub> Blue BB Salt Tris	Sigma Aldrich	855-20mL 227056-100mL M8266-100g F3378-5g RDD008	0.1 mg/mL 0.5% 2mM 0.6mg/mL 0.1M	
Alizarin red	Sigma Aldrich	A5533-25 g	2%	