

Supporting Information for:

Application of photonic crystal enhanced fluorescence to cancer biomarker microarrays

Cheng-Sheng Huang¹, Sherine George², Meng Lu^{1,3}, Vikram Chaudhery¹, Ruimin Tan⁴,

Richard C. Zangar⁴ and Brian T. Cunningham^{1,2}*

¹Department of Electrical and Computer Engineering

²Department of Bioengineering

University of Illinois at Urbana-Champaign, USA

³SRU Biosystems, Inc., USA

⁴Pacific Northwest National Laboratory, USA

Content: Table with catalog numbers and sources for the antigens and antibodies.

Table S-1. Antigens, abbreviations, 1x standard concentration, antigen catalog numbers, capture antibody catalog numbers, and detection antibody catalog numbers. All the reagents are purchased from R&D Systems except ^(a) Fitzgerald Industries, Concord, MA, USA, ^(b) NeoMarkers, Fremont, CA, USA, ^(c) Medical & Biological Labs, Woburn, MA, USA, and ^(d) BioPacific, Emeryville, CA, USA.

Antigen	Abbr.	Max Conc. (pg/ml)	Antigen	Primary antibody	Secondary antibody
Amphiregulin	AmR	20000	262-AR	MAB262	BAF262
Basic fibroblast growth factor	bFGF	20000	30-AF17 ^a	MAB233	BAM233
CD14	CD14	100000	383-CD	MAB3833	BAF383
Epidermal growth factor	EGF	5000	DY-236KIT	DY-236KIT	DY-236KIT
Epidermal growth factor receptor	EGFR	25000	1095-ER	AF-231	BAF231
E-selectin	Esel	25000	ADP1	AF-724	BAF274
Heparin-binding epidermal growth factor	HBEGF	5000	259-HE	AF-292	BAF259
c-erbB-2 extracellular domain	HER2	50000	1129-ER	MAB1129 ^b	BAF1129
Hepatocyte growth factor	HGF	10000	294-HGN	MAB694	BAF294
Intercellular adhesion molecule 1	ICAM	100000	ADP-4-050	MAB720	BAF720
Insulin-like growth factor 1	IGF1	20000	BAF291	MAB291	291GF
Interleukin 1-alpha	IL1 α	5000	200-LA	MAB2000	BAF200
Interleukin 6	IL6	260000	DY206	DY206	DY206
Interleukin 18	IL18	10000	B003-5 ^c	D044-3 ^c	D045-6 ^c
Matrix metalloprotease 1	MMP1	100000	901-MP	AF901	BAF901
Matrix metalloprotease 2	MMP2	50000	902-MP	AF902	BAF902
Matrix metalloprotease 9	MMP9	50000	911-MP	AF911	BAF911
Platelet-derived growth factor AA	PDGF	7500	221-AA	MAB221	BAF221
Prostate specific antigen	PSA	10000	J62800089 ^d	MAB1344	BAF1344
Regulated on activation normal T cell expressed and secreted	RANTES	5000	278-RN/CF	MAB678	BAF278
Transforming growth factor alpha	TGF α	5000	239A	AF-239-NA	BAF239
Tumor necrosis factor alpha	TNF α	10000	210-TA	MAB610	BAF210
Urokinase-type plasminogen receptor	uPAR	50000	807-UK	MAB807	BAF207
Vascular endothelial growth facto	VEGF	20000	293-VE	AF-293-NA	BAF293