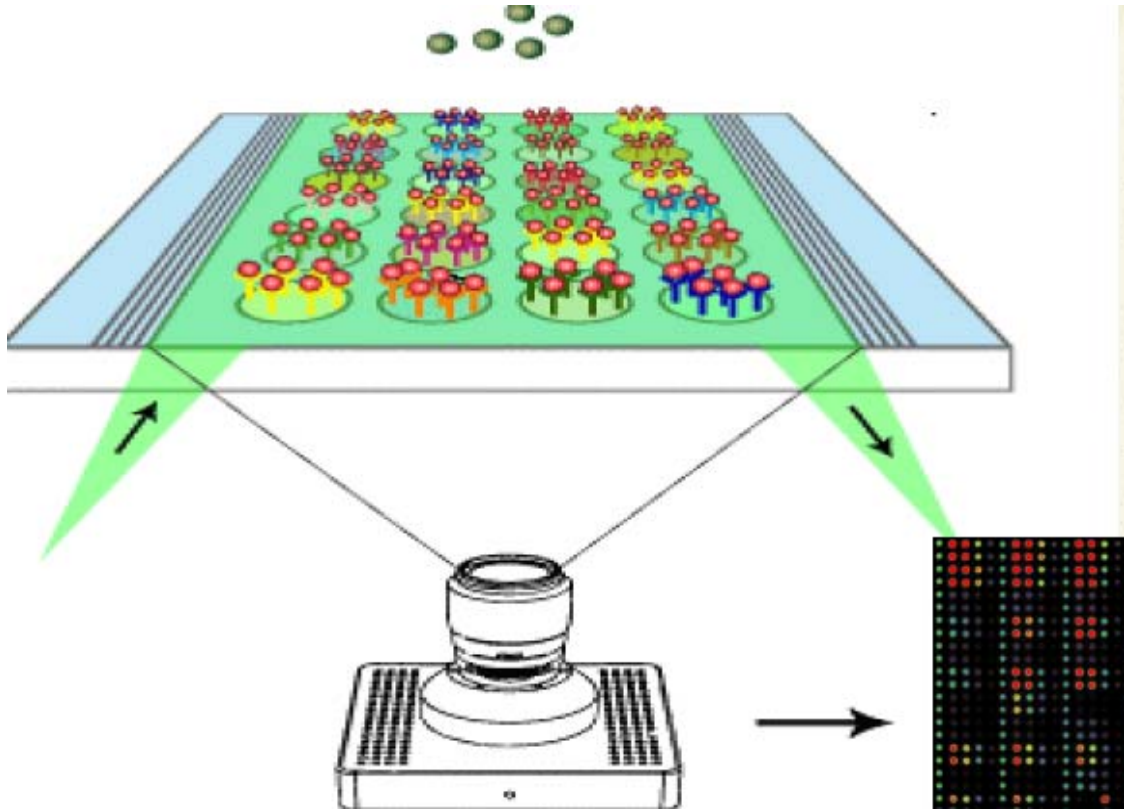


Que permiten analizar diversas proteínas en un gran número de muestras simultáneamente y se basa en la captura de proteínas y posterior marcage de las mismas sobre un slide de cuarzo.



Así, la plataforma permite la adquisición de un gran número de parámetros de forma rápida, precisa y económica, quedando esta limitada a la existencia de anticuerpos selectivos frente al mediador que se desee analizar. Existen numerosos anticuerpos disponibles en el servicio para su análisis por zeptosens. Por otra parte cualquier anticuerpo es susceptible de ser utilizado tras su validación. La siguiente tabla resume los diferentes mediadores proteicos para los cuales existen anticuerpos validados:

#	Antibody Specificity	Species	Pathway	Marker
2-51	4E-BP1	rabbit	Protein Synthesis, Translational Control	ExL
1-03	Acetyl-Histone H2A (Lys9)	rabbit	Chromatin Regulation	PTM
1-04	Acetyl-Histone H2B (Lys15)	rabbit	Chromatin Regulation	PTM
1-05	Acetyl-Histone H2B (Lys20)	rabbit	Chromatin Regulation	PTM
3-01	Acetyl-Histone H3	rabbit	Chromatin Regulation	PTM
1-08	Acetyl-Histone H3 (Lys9)	rabbit	Chromatin Regulation	PTM
1-01	Acetyl-Histone H3 (Lys14)	rabbit	Chromatin Regulation	PTM
1-06	Acetyl-Histone H3 (Lys23)	rabbit	Chromatin Regulation	PTM
1-07	Acetyl-Histone H3 (Lys27)	rabbit	Chromatin Regulation	PTM
1-12	Acetyl-Histone H4(Lys8)	rabbit	Chromatin Regulation	PTM
1-09	Acetyl-Histone H4(Lys12)	rabbit	Chromatin Regulation	PTM
1-13	Akt	rabbit	Akt Signaling, Metabolism	ExL
4-29	Akt	rabbit	Akt Signaling, Metabolism	ExL
4-05	Aldolase	rabbit	Housekeeping	ExL
4-17	AMPK alpha	rabbit	Metabolism	ExL
3-44	AP-2a	rabbit	Transcription Factors	ExL
3-32	ATF3 (c-19)	rabbit	Transcription Factors	ExL
3-23	$\beta$ -actin	rabbit	Housekeeping, Cytoskeleton	ExL
4-14	$\beta$ -Catenin	rabbit	Wnt Signaling	ExL
3-22	$\beta$ -Tubulin	rabbit	Housekeeping, Cytoskeleton	ExL
1-19	Bcl-2	rabbit	Apoptosis	ExL
2-38	c-Abl	rabbit	Receptors, Tyr-Kinases	ExL
4-22	CamKII-alpha	mouse IgG1	Calcium Signaling	ExL
4-38	cdc2 (Tyr15)	rabbit	Cell Cycle Control	PTM
1-02	cdc25A	rabbit	Cell Cycle Control	ExL
3-38	CDK1 /p34cdc2	mouse IgG2a	Cell Cycle Control	ExL
2-76	CDK2	rabbit	Cell Cycle Control	ExL
3-48	c-Erb-2 oncoprotein (HER2)	rabbit	Receptors, Tyr-Kinases	ExL
2-24	c-Jun	rabbit	MAPK Signaling, Stress pathway	ExL
3-47	c-Jun	mouse IgG2a	MAPK Signaling, Stress pathway	ExL
1-16	Cleaved caspase3 (Asp175)	rabbit monocl.	Apoptosis	apoptosis marker
4-26	CREB	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
4-53	CREB	rabbit monocl.	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
2-52	CrkL	mouse IgG1	Adaptor Proteins	ExL
4-80	CXCR4	rabbit	Chemokine Signaling	ExL
3-12	Cyclin A	mouse IgG2a	Cell Cycle Control	ExL
2-74	Cyclin B1 (V152)	mouse IgG1	Cell Cycle Control	ExL
3-11	Cyclin C	rabbit	Cell Cycle Control	ExL
1-18	Cyclin D1	mouse IgG2a	Cell Cycle Control	ExL
2-72	Cyclin D3 (DCS22)	mouse IgG1	Cell Cycle Control	ExL
2-70	Cyclin E	mouse IgG1	Cell Cycle Control	ExL
2-79	Cyclin H	rabbit	Cell Cycle Control	ExL

#	Antibody Specificity	Species	Pathway	Marker
3-02	Dimethyl (Lys4) dimethyl (Lys9) Histone H3	rabbit	Chromatin Regulation	PTM
1-20	Dimethyl-Histone H3 (Arg17)	rabbit	Chromatin Regulation	PTM
1-24	Dimethyl-Histone H3 (Lys4)	rabbit	Chromatin Regulation	PTM
1-25	Dimethyl-Histone H3 (Lys4)	rabbit	Chromatin Regulation	PTM
1-23	Dimethyl-Histone H3 (Lys36)	rabbit	Chromatin Regulation	PTM
1-28	Dimethyl-Histone H3 (Lys79)	rabbit	Chromatin Regulation	PTM
1-29	Dimethyl-Histone H4 (Lys20)	rabbit	Chromatin Regulation	PTM
1-31	EGFR	rabbit	MAPK Signaling, Receptors, Tyr-Kinases	ExL
2-54	eIF-4E	rabbit	Protein Synthesis, Translational Control	ExL
4-57	ELK	rabbit	MAPK Signaling	ExL
1-32	FKHR	rabbit	Transcription Factors, Akt Signaling, Metabolism	ExL
3-33	FRA1 (R20)	rabbit	Transcription Factors	
3-25	GAPDH	mouse IgG2b	Housekeeping	ExL
1-51	GIP	rabbit		
4-20	GluR1	rabbit	GPCR, Neuroscience	ExL
3-29	GluR2	mouse IgG2a	GPCR, Neuroscience	ExL
1-33	GSK-3 $\beta$	rabbit	Akt Signaling, Metabolism, Wnt Signaling	ExL
1-34	H3-K18-Acetyl pAb	rabbit	Chromatin Regulation	PTM
3-03	Histone H1	mouse IgG2a	Chromatin Regulation	ExL
3-04	Histone H2A (acidic patch)	rabbit	Chromatin Regulation	ExL
3-05	Histone H2B	rabbit	Chromatin Regulation	ExL
1-38	Histone H3	rabbit	Chromatin Regulation	ExL
3-08	Histone H3	rabbit	Chromatin Regulation	ExL
3-07	Histone H4	rabbit	Chromatin Regulation	ExL
4-33	HMGGA2	mouse	Chromatin Regulation	ExL
2-58	HSP27	mouse IgG1	MAPK Signaling, Stress pathway, Chaperones	ExL
1-41	IGF-1R beta	rabbit	Metabolism	ExL
4-30	IGF-1R beta	rabbit	Metabolism	ExL
4-40	I $\kappa$ Ba	rabbit (mAb)	NF $\kappa$ B Signaling	ExL
2-25	IRS-1	rabbit	Metabolism, Insulin Signaling	ExL
2-75	Jak1	rabbit	Jak/Stat signaling	ExL
1-44	Ki-67 (Annexin II, p36)	mouse IgG1	Tumor Marker, Proliferation	ExL
2-27	MAPKAPK-2	rabbit	MAPK Signaling	ExL
4-65	MAPKAPK-2	rabbit	MAPK Signaling	ExL
1-62	Mcl-1	rabbit	Apoptosis	ExL
1-37	MEK1	mouse IgG2a	MAPK Signaling	ExL
2-22	MEK1/2	rabbit	MAPK Signaling	ExL
2-59	Mek3	rabbit	MAPK Signaling	ExL
4-12	mTOR	rabbit	mTOR Signaling, Translational Control	ExL
1-47	P-(Ser) PKC substrate	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
1-48	P-(Ser/Thr) Akt substrate	rabbit	Akt Signaling, Metabolism	PTM
1-49	P-(Ser/Thr) ATMATR Substrate	rabbit	Cell Cycle Control, DNA Repair	PTM
1-50	P-(Ser10)-acetyl (Lys14) Histone H3	rabbit	Chromatin Regulation	PTM

#	Antibody Specificity	Species	Pathway	Marker
4-23	p21	mouse IgG1	Cell Cycle Control	ExL
3-34	p21 CIP/WAF1	mouse IgG2a	Cell Cycle Control	PTM
2-21	p38 MAPK	rabbit	MAPK Signaling, Stress pathway	ExL
1-52	p44/42 MAPK	rabbit	MAPK Signaling	ExL
2-50	P-4E-BP1 (Ser65)	rabbit	Protein Synthesis, Translational Control	PTM
1-53	p53	rabbit	Apoptosis	ExL
1-54	p70 S8 Kinase	rabbit	Lipid Signaling, Translational Control	ExL
1-56	P-Akt (Ser473)	rabbit	Akt Signaling, Metabolism	PTM
1-57	P-Akt (Ser473)	mouse IgG2b	Akt Signaling, Metabolism	PTM
4-04	P-Akt (Ser473)	rabbit	Akt Signaling, Metabolism	PTM
1-55	P-Akt (Thr308)	rabbit	Akt Signaling, Metabolism	PTM
2-69	P-Akt (Thr308)	rabbit	Akt Signaling, Metabolism	PTM
4-15	P-AMPK alpha (Thr172)	rabbit	Metabolism	PTM
4-27	pan-Ras	mouse IgG1		
2-60	P-ATF2 (Thr71)	rabbit	MAPK Signaling, Transcription Factors	PTM
1-58	P-Bad (Ser112)	rabbit	Apoptosis, Akt Signaling	PTM
1-60	P-Bad (Ser136)	rabbit	Apoptosis	PTM
4-16	P-Beta-Catenin (Ser33 / 37 / Thr41)	rabbit	Wnt Signaling	PTM
2-48	P-CamKII (Thr286)	rabbit	Neuroscience, Calcium, cAMP, Lipid Signaling, PKC Sig	PTM
4-21	P-CamKII alpha (Thr286) (22B1)	mouse IgG1	Neuroscience, Calcium, cAMP, Lipid Signaling, PKC Sig	PTM
4-39	P-cdc2 (Thr161)	rabbit	Cell Cycle Control	PTM
4-66	P-cdc2 (Tyr15)	rabbit	Cell Cycle Control	PTM
1-61	P-Chk2 (Thr88)	rabbit	Cell Cycle Control	PTM
2-55	P-c-Jun (Ser73)	rabbit	MAPK Signaling, Stress pathway	PTM
2-67	P-cPLA2 (Ser505)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
4-69	P-c-Raf (Ser259)	rabbit	MAPK Signaling	PTM
4-70	P-c-Raf (Ser338)	rabbit	MAPK Signaling	PTM
3-10	P-CREB (Ser133)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
1-63	P-CREB (Ser133)(1B6)	mouse	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
2-53	P-CrkL (Tyr207)	rabbit	Adaptor Proteins	PTM
1-65	P-EGFR	mouse IgG1	Receptors, Tyr-Kinases	PTM
1-64	P-EGFR (Tyr1068)	rabbit	Receptors, Tyr-Kinases	PTM
4-02	P-EGFR(Y1173)	rabbit	Receptors, Tyr-Kinases	PTM
4-58	P-ELK (Ser383)	mouse IgG1	MAPK Signaling	PTM
1-67	P-FKHR (Ser256)	rabbit	Transcription Factors, Akt Signaling, Metabolism	PTM
1-68	P-FLT3 (Tyr591)	rabbit	Receptors, Tyr-Kinases	PTM
4-24	P-GluR1	rabbit	GPCR, Neuroscience	PTM
4-25	P-GluR2	rabbit	GPCR, Neuroscience	PTM
1-69	P-GSK-3 $\beta$ (Ser9)	rabbit	Akt Signaling, Metabolism, Wnt Signaling	PTM
4-75	P-GSK-3 $\beta$ (Ser9)	rabbit	Akt Signaling, Metabolism, Wnt Signaling	PTM
1-70	P-Her2/Erb2 (Tyr1248)/EGFR (Tyr1173)	rabbit	Receptors, Tyr-Kinases	PTM
1-71	P-Histone H2A.X (Ser139)	mouse IgG1	Chromatin Regulation	PTM
1-72	P-Histone H3 (Ser10)	mouse IgG1	Chromatin Regulation	PTM
1-74	P-Histone H3 (Ser10)	mouse IgG	Chromatin Regulation	PTM

#	Antibody Specificity	Species	Pathway	Marker
2-57	P-HSP27 (Ser78)	rabbit	MAPK Signaling, Stress pathway	PTM
1-75	P-IGF-1R (Tyr1162/1163)	rabbit	Metabolism	PTM
1-78	P-IkB-a (Ser32)	rabbit	NFkB Signaling	PTM
2-28	P-IRS-1 (Ser636/639)	rabbit	Metabolism	PTM
2-49	P-JAK1 (Tyr1022/1023)	rabbit	Jak/Stat Signaling	PTM
4-71	PKA	rabbit	cAMP Signaling	ExL
2-40	PKC- $\alpha$	mouse IgG1	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
4-78	PKC- $\alpha$	mouse IgG2b	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
2-88	PKC $\delta$	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
4-78	PKC- $\gamma$	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
4-34	PKCzeta	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
4-47	PLC-g1	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	ExL
2-58	P-MAPKAPK-2 (Thr334)	rabbit	MAPK Signaling	PTM
4-42	P-MEK1 (Ser218/222)/MEK2 (Ser222/226)	rabbit (mAb)	MAPK Signaling	PTM
2-23	P-MEK1/2 (Serin 217/221)	rabbit	MAPK Signaling	PTM
2-64	P-MKK3/MKK6 (S189/T193) (S207/T211)	rabbit	MAPK Signaling	PTM
1-77	P-Mnk1 (Thr197/202)	rabbit	Translational Control, MAPK Signaling	PTM
2-28	P-MSK1 (Ser378)	rabbit	MAPK Signaling	PTM
4-13	P-mTOR (Ser2448)	rabbit	mTOR Signaling, Protein Synthesis	PTM
3-28	P-p21	rabbit	Cell Cycle Control	PTM
1-78	P-p38 MAPK (Thr180/Tyr182)	rabbit	MAPK Signaling, Stress pathway	PTM
4-41	P-p38 MAPK (Thr180/Tyr182)(12F8)	rabbit (mAb)	MAPK Signaling, Stress pathway	PTM
2-77	P-p44/42 MAPK (Thr185/Tyr187)	rabbit	MAPK Signaling	PTM
1-80	P-p44/42 MAPK (Thr202/Tyr204)	rabbit	MAPK Signaling	PTM
1-81	P-p44/42 MAPK (Thr202/Tyr204)	mouse IgG1	MAPK Signaling	PTM
2-01	P-p53 (Ser 15)(16G8)	mouse IgG1+ IgG2a	Apoptosis	PTM
2-02	P-p53 (Ser15)	rabbit	Apoptosis	PTM
2-03	P-p53 (Ser20)	rabbit	Apoptosis	PTM
2-19	P-p53 (Ser6)	rabbit	Apoptosis	PTM
2-05	P-p70 S6 Kinase (Thr389)	mouse IgG 2A	Lipid Signaling, Translational Control	PTM
2-34	P-p70 S6 Kinase (Thr389)	rabbit	Lipid Signaling, Translational Control	PTM
2-08	P-p70 S6 Kinase (Thr421/Ser424)	rabbit	Lipid Signaling, Translational Control	PTM
4-59	P-p90 RSK1 (Thr359/Ser363)	rabbit monocl.	MAPK Signaling	PTM
4-61	P-p90RSK (Ser380)	rabbit	MAPK Signaling	PTM
4-74	P-PKA (Ser98)	rabbit	cAMP Signaling	PTM
2-62	P-PKC (pan) ( $\delta$ 2Ser680)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
4-77	P-PKC- $\alpha$ (T638)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
2-63	P-PKC $\delta$ (Thr505)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
4-79	P-PKC- $\gamma$ (Thr514)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
4-80	P-PKC- $\gamma$ (Thr655)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
4-35	p-PKCzeta	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM
2-43	P-PKR (Thr451)	rabbit	Protein Synthesis, Translational Control, Host defense	PTM
2-44	P-PLC $\gamma$ 1 (Tyr783)	rabbit	Calcium, cAMP, Lipid Signaling, PKC Signaling	PTM

#	Antibody Specificity	Species	Pathway	Marker
2-65	P-Rb (Ser780)	rabbit	Apoptosis	PTM
2-07	P-Rb (Ser807/811)	rabbit	Apoptosis	PTM
4-49	Prohibitin	rabbit	Tumor Marker, Housekeeping	ExL
2-66	P-Rsk1 (Thr359/Ser363)	rabbit	MAPK Signaling	PTM
2-08	P-S8 ribosomal protein (Ser240/244)	rabbit	Translational Control	PTM
2-09	P-SAPK/JNK (Thr183/Tyr185)	rabbit	MAPK Signaling, Stress pathway	PTM
2-10	P-SHP2 (Tyr542)	rabbit	Tyrosine Phosphatases	PTM
2-30	P-Stat1 (Ser727)	rabbit	Jak/Stat Signaling	PTM
2-31	P-Stat1 (Tyr701)	rabbit	Jak/Stat Signaling	PTM
2-11	P-Stat3 (Tyr705)	mouse IgG1	Jak/Stat Signaling	PTM
4-07	P-Stat3 (Tyr705)	rabbit	Jak/Stat Signaling	PTM
2-29	P-Stat5 (Tyr694)	rabbit	Jak/Stat Signaling	PTM
4-11	P-Stat8 (TYR641)	rabbit	Jak/Stat Signaling	PTM
4-56	P-Tau (S396)	rabbit monocl.	Neuroscience	PTM
2-32	P-Tyk2 (Tyr1054/1055)	rabbit	Tyrosine Kinases	PTM
2-12	P-Tyr-100	mouse	Tyrosine Kinase Substrates	PTM
3-13	P-VAV1 (Tyr160)	rabbit	Adaptor Proteins	PTM
3-14	RAF1(C-12)	rabbit		
2-35	Rap1	rabbit	Integrin Signaling, cAMP Signaling, GNBPs	ExL
2-20	Rb (4H1)	mouse IgG2a	Apoptosis	ExL
1-15	RSK1	rabbit		
2-14	S8 Ribosomal Protein	rabbit	Translational Control	ExL
3-35	SRF	rabbit	Transcription Factors	ExL
2-36	Stat1	mouse IgG1	Jak/Stat Signaling	ExL
4-06	Stat1	rabbit	Jak/Stat Signaling	ExL
4-43	Stat2	rabbit	Jak/Stat Signaling	ExL
2-37	Stat3	rabbit	Jak/Stat Signaling	ExL
2-73	Stat5	rabbit	Jak/Stat Signaling	ExL
4-48	Stat5	rabbit	Jak/Stat Signaling	ExL
4-08	Stat8	rabbit	Jak/Stat Signaling	ExL
3-42	Tau H7 / X1	mouse IgG1	Neuroscience, Alzheimer	ExL
2-15	Trimethyl-Histone H3 (Lys4)	rabbit monocl.	Chromatin Regulation	PTM
3-08	Trimethyl-Histone H3 (Lys9)	rabbit	Chromatin Regulation	PTM
2-17	Trimethyl-Histone H4 (Lys20)	rabbit	Chromatin Regulation	PTM
2-33	Tyk2	rabbit	Jak/Stat Signaling, Interferons	ExL
2-18	Ubiquitin (P4D1)	mouse IgG1	Protein Degradation	ExL, PTM
3-24	VDAC1 / Porin	rabbit	Anion Channel, Housekeeping	ExL
2-61	Zap70	rabbit monocl.	T-cell activation, lymphocyte signaling, CLL progression	ExL