

Mapping the interaction of B Cell Leukaemia 3 (Bcl-3) and Nuclear Factor κ B (NF- κ B) p50 identifies a Bcl-3-mimetic anti-inflammatory peptide

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Supplementary table 1. The 18 amino acids of the Bcl-3 derived peptides 2, 5, 6, 35, 36, 75, 78, 80, 85 and 87 were sequentially substituted with alanine. Arrays were probed with GST-p50 and detected by immunoblotting with anti-GST antibody. GST-p50 binding was quantified by densitometry and represented as a percentage binding of the control parent peptide peptides.

Peptide 2 Intensity	Percent Binding	A.A Sub
0.268	100	_
0.228	85.07463	P
0.328	122.3881	A
0.308	114.9254	G
0.438	163.4328	A
0.428	159.7015	M
0.438	163.4328	D
0.408	152.2388	E
0.528	197.0149	G
0.498	185.8209	P
0.638	238.0597	V
1.038	387.3134	D
0.618	230.597	L
0.158	58.95522	R
0.448	167.1642	T
0.148	55.22388	R
0.578	215.6716	P
0.058	21.64179	K
0.458	170.8955	G

Peptide 5 Intensity	Percent Binding	A.A Sub
0.648	100	_
0.638	98.45679	R
0.768	118.5185	T
0.738	113.8889	R
0.628	96.91358	P
0.548	84.5679	K
0.648	100	G
0.488	75.30864	T
0.608	93.82716	P
0.548	84.5679	G
0.258	39.81481	A
0.298	45.98765	A
0.358	55.24691	L
0.558	86.11111	P
0.488	75.30864	L
0.438	67.59259	R
0.498	76.85185	K
0.438	67.59259	R
1.348	208.0247	P

Peptide 6 Intensity	Percent Binding	A.A Sub
0.948	100	_
1.028	108.4388	K
0.918	96.83544	G
0.778	82.06751	T
0.648	68.35443	P
0.678	71.51899	G
0.668	70.46414	A
0.538	56.75105	A
0.828	87.34177	L
0.878	92.61603	P
0.488	51.47679	L
0.548	57.80591	R
0.678	71.51899	K
0.538	56.75105	R
0.778	82.06751	P
0.458	48.31224	L
0.448	47.25738	R
0.598	63.08017	P
0.408	43.03797	A

Peptide 35 Intensity	Percent Binding	A.A Sub
1.858	100	_
1.308	70.39828	A
1.908	102.6911	V
1.498	80.62433	V
1.428	76.85684	Q
1.828	98.38536	N
1.598	86.00646	N
1.418	76.31862	I
1.038	55.86652	A
1.118	60.17223	A
0.778	41.87298	V
0.668	35.95264	Y
0.988	53.17546	R
1.468	79.00969	I
1.508	81.16254	L
1.418	76.31862	S
1.458	78.47147	L
0.908	48.86975	F
0.168	9.041981	K

Peptide 36 Intensity	Percent Binding	A.A Sub
1.818	100	_
1.428	78.54785	N
1.308	71.94719	N
1.588	87.34873	I
1.168	64.24642	A
1.708	93.94939	A
1.758	96.69967	V
1.588	87.34873	Y
1.788	98.34983	R
1.898	104.4004	I
1.738	95.59956	L
1.478	81.29813	S
1.218	66.9967	L
1.378	75.79758	F
0.798	43.89439	K
1.578	86.79868	L
1.378	75.79758	G
1.188	65.34653	S
0.518	28.49285	R

Peptide 75 Intensity	Percent Binding	A.A Sub
1.098	100	_
0.888	80.87432	V
0.738	67.21311	N
0.638	58.10565	A
0.898	81.78506	Q
0.888	80.87432	M
0.628	57.1949	Y
0.708	64.48087	S
0.648	59.01639	G
0.528	48.08743	S
0.378	34.42623	S
0.078	7.103825	A
0.438	39.89071	L
0.608	55.37341	H
0.438	39.89071	S
0.078	7.103825	A
0.598	54.46266	S
0.568	51.73042	G
0.068	6.193078	R

Peptide 78 Intensity	Percent Binding	A.A Sub
0.778	100	_
0.838	107.7121	H
0.818	105.1414	S
0.698	89.71722	A
0.728	93.57326	S
0.958	123.1362	G
0.768	98.71465	R
0.678	87.14653	G
1.188	152.6992	L
1.118	143.7018	L
0.798	102.5707	P
1.178	151.4139	L
1.148	147.5578	V
0.258	33.16195	R
0.818	105.1414	T
0.918	117.9949	L
0.868	111.5681	V
0.218	28.02057	R
0.648	83.29049	S

Peptide 80 Intensity	Percent Binding	A.A Sub
0.298	100	_
0.238	79.86577	L
0.308	103.3557	P
0.378	126.8456	L
0.408	136.9128	V
0.318	106.7114	R
0.348	116.7785	T
0.318	106.7114	L
0.428	143.6242	V
0.068	22.81879	R
0.668	224.1611	S
0.528	177.1812	G
0.138	46.30872	A
0.558	187.2483	D
0.538	180.5369	S
0.548	183.8926	G
0.558	187.2483	L
0.088	29.5302	K
0.558	187.2483	N

Peptide 85 Intensity	Percent Binding	A.A Sub
0.928	100	_
0.688	74.13793	N
0.858	92.4569	D
0.638	68.75	T
0.618	66.59483	P
0.718	77.37069	L
0.568	61.2069	M
0.568	61.2069	V
0.578	62.28448	A
0.508	54.74138	R
0.398	42.88793	S
0.298	32.11207	R
0.298	32.11207	R
0.648	69.82759	V
0.538	57.97414	I
0.958	103.2328	D
0.628	67.67241	I
0.628	67.67241	L
0.198	21.33621	R

Peptide 87 Intensity	Percent Binding	A.A Sub
0.928	100	_
0.778	83.83621	R
0.728	78.44828	S
0.618	66.59483	R
0.538	57.97414	R
0.708	76.2931	V
0.708	76.2931	I
0.888	95.68966	D
0.848	91.37931	I
0.768	82.75862	L
0.668	71.98276	R
0.878	94.61207	G
0.758	81.68103	K
0.678	73.06034	A
0.748	80.60345	S
0.608	65.51724	R
0.588	63.36207	A
0.408	43.96552	A
0.698	75.21552	S