			25-666 75 kDa	667-1663 120 kDa								
			ß (C3, C3b, iC3b, C3c)		α (C3)							
				667-748			749-1663					
				10 KD a C3 a			α'(C3h)					
						749-1303		1304-1320	1321-1663			
						66 kDa		2kDa	42 kDa			
					a1-dg (iC3b)			C3f	a2 (iC3b, C3c)			
					749-954	955-	1303					
					26 kDa	38	<da< td=""><td></td><td></td></da<>					
					a1 (C3c)	C3	dg					
						1002-1303 35 km a	955-1001 955-1001					
fragment 001 (\approx 130 kDa)	Position	(aa)				C3d	C3a					
	734	740		x								
NRYFQTIK	880	887			x							
LLWENGNLLR	1311	1320							х			
SGSDEVQAGQQR	1571	1582							x			
VMQDFFIDLR	825	834			X							
GICVADPYEIR	814	824			X							
AFIDCCNHITK	723	733		x								
GRGTLSVVAVYHAK	1338	1351							x			
AAVFNHFISDGVKK	914	927			X							
FYHPEKDDGMLSK	1492	1504							x			
AVLFNYREQEELK	849	861			x							
KCCEDGMRDIPMR	692	/04		x								
VHQYFNVGLIQPGSVK	1463	1478							x			
	1202	1017			~	v						
	765	770			v	^			1			
	703	070			^		v					
	900	2/2					Ŷ					
	479	497	x				~					
	1112	1134	^			x						
IRAFYEHAPK	207	216	x									
VYSYYNLEESCTR	1479	1491							x			
TLKVVPEGMR	928	937			x							
IRYYTYLVMNK	487	497	х						1			
MELKPGDNLNVNFHLRTDPGHEAK	463	486	х						1			

			25-666 75 kDa	667-1663 120 kDa							
			в (C3, C3b, iC3b, C3c)		α (C3)						
				667-748 10 kDa C3a			749-1663 110 kDa a' (C3b)				
					749-1303 66 kDa c1-dc (iC3b)			1304-1320 2 k D a	1321-1663 42 k D a		
								C3f	a2 (iC3b,		
								001	C3c)		
					26 kDa	38	1303 (Da				
					a1 (C3c)	C3	da				
					,	1002-1303	955-1001				
						35 kDa	ЗkDа				
fragment 002 ($pprox$ 130 kDa)	Positic	n (aa)				C3d	C3q				
LLWENGNLLR	1311	1320	x					х			
IRAFYEHAPK	207	216	X								
GICVADPYEIR	814	824			X			1			
VMQDFFIDLR	825	834			X						
IRYYTYLVMNK	487	497	X					1			
AAVFNHFISDGVKK	914	927			X						
AVLFNYREQEELK	849	861			X						
AFSNKNTLIIYLEK											
VYSYYNLEESCTR	1479	1491							х		
VHQYFNVGLIQPGSVK	1463	1478							х		
SELEEDIIPEEDIISR	749	764			X						
LEEPYLGKFLNTAKDR	1202	1217				х					
VELLHNPAFCSMATAKNR											
IILQGSPVVQMAEDAVDGER	980	999					х				
TDPGHEAKIRYYTYLVMNK	479	497	X								
GRGTLSVVAVYHAK	1338	1351							х		
IRYYTYLVMNK	487	497	X								
FYHPEKDDGMLSK	1492	1504						1	х		
KCCEDGMRDIPMR	692	704		x							
VDVPAADLSDQVPDTDSETR	960	979					х				
QKPDGVFQEDGPVIHQEMIGGFR	1112	1134				х					
AGEYIEASYMNLQRPYTVAIAG YALALMNK	1172	1201				х					

Supplemental Figure 1

Α

В

			25-666 75 kDa	667-1663 120 kDa						
			в (сз, сзь,			a (i	C3)			
			iC3b, C3c)	((7.740						
	10 kDa C3a			10 kDa		/49-1663 110 kDa				
			C3a		1304-1320	1321-1663				
						66 kDa 2 k		2kDa	42 kDa n2 (iC3h	
						a1-dg (iC3b)		C3f	C3c)	
					749-954 26 kDa	955-: 38 k	1303 (Da			
					a1 (C3c)	C3	dg 955-1001			
						35 kDa	3 kDa			
<u> </u>	Positic 880	on (aa) 887			x	C3d	C3q			
	1245	1254			v .	х				
GICVADPYEIR	814	824			x					
IRYYTYLVMNK DSCIGTLVVKGDPR	487 557	497 570	X X							
	633 014	646 027	х		v					
AFIDCCNHITKLR	723	735		x	^					
SELEEDIIPEEDIISR AVLFNYREQEELKVR	749 849	764 863			X					
SHFPQSWLWTIEELK	765	779			X					
IILQGSPVVQMAEDAVDGER	941 980	959 999			×		x			
TDPGHEAKIRYYTYLVMNK OKPDGVEOEDGPVHQEMIGGER	479 1112	497 1134	x			x				
YLGDVDATMSILDISMMTGFAPDTK	1392	1416				ñ			х	
DICEGQVNSLPGSINK	790 1156	813 1171			X	x				
			25-666 75 k D D			667-:	1663 k D D			
			ß (СЗ, СЗЬ,							
			iC3b, C3c)			a(t				
				667-748 10 kDa			749-1663 110 kDa			
				C3a		749-1000	a' (C3b)	1204-1220	1001-1660	
					66 kDa 2 α1-dg (iC3b)			2 kDa	42 kDa	
								C3f	a2 (iC3b, C3c)	
					749-954 26 k D a	955-: 38 L	1303 / D a			
					a1 (C3c)	C3	dg	1		
						1002-1303 35 kDa	955-1001 3 kDa			
fragment 010 (≈ 45 kDa)	Positic	n (aa)				C3d	C3q		v	
GRGTLSVVAVYHAK	1338	1351							x	
ISHTEEDCLTFK FYHPEKDDGMLSK	1451 1492	1462 1504							X X	
	1479	1491 1479							x	
TDPGHEAKIRYYTYLVMNK	479	497	x					1	~	
LCHSEMCR DLELLASGVDR	1505 1417	1512 1427							X X	
	1340	1351							x	
LVAYYTLIGASGQR	531	1546 544	x						^	
AVLFNYREQEELK KCCEDGMRDIPMR	849 692	861 704		x	×					
	1513	1526							x	
NTLIIYLEK	1365	1381 1450							X	
TLKVVPEGMR NTMFLEICTK	928 1382	937 1391			X				×	
KDTLPESRQATK					1					
	428	439	X							
DNHLAPGQQTTLR LDKACEPGVDYVYK	428 571 1533	439 583 1546	××						x	

Supplemental Figure 1 (continued) C3 associates to Gp96 in mice's sera during GvHD. Mass spectrometry analysis of fragments A 001, B 002, C 007 and D 010 from Figure 3, representing C3. C3 fragments are quoted according to the peptide found.

D



Supplemental Figure 2: Schematic structures of complement C3 and C3 fragments. In yellow the β -chain; in blue the α -chain; in purple the thioester residues; in red the minimal fragment 749-954 interacting with Gp96. α 'NT: N-terminus of α '-chain; ANA: anaphylatoxin; CUB: complement C1r/C1s, Uegf, Bmp1; LNK: linker region; MG: macroglobulin; TED: thioester-bond-containing domain



Supplemental Figure 3: Gp96 effect on opsonophagocytosis. Flow cytometry analysis of phagocytosis by human purified macrophages of Alexa Fluor 488-conjugated *Escherichia coli* bioparticles after 1 h opsonization by serum in the absence or presence of Gp96, added either immediately (serum+Gp96) or after 30 min of incubation (serum+after 30min Gp96) of the bioparticles with the serum. Represented is the percentage of living cells showing fluorescence in AF488.



Supplemental Figure 4: BALB/c mice Allo (GvHD) and Syn (no GvHD) were sacrificed at day 7 after hematopoietic stem cell transplantation and small intestine sections were stained for Gp96 expression using a polyclonal anti-Gp96 antibody. A representative image is shown (3 distinct experiments with 5 animals per group). Magnification: x 20.