

Fig. 1

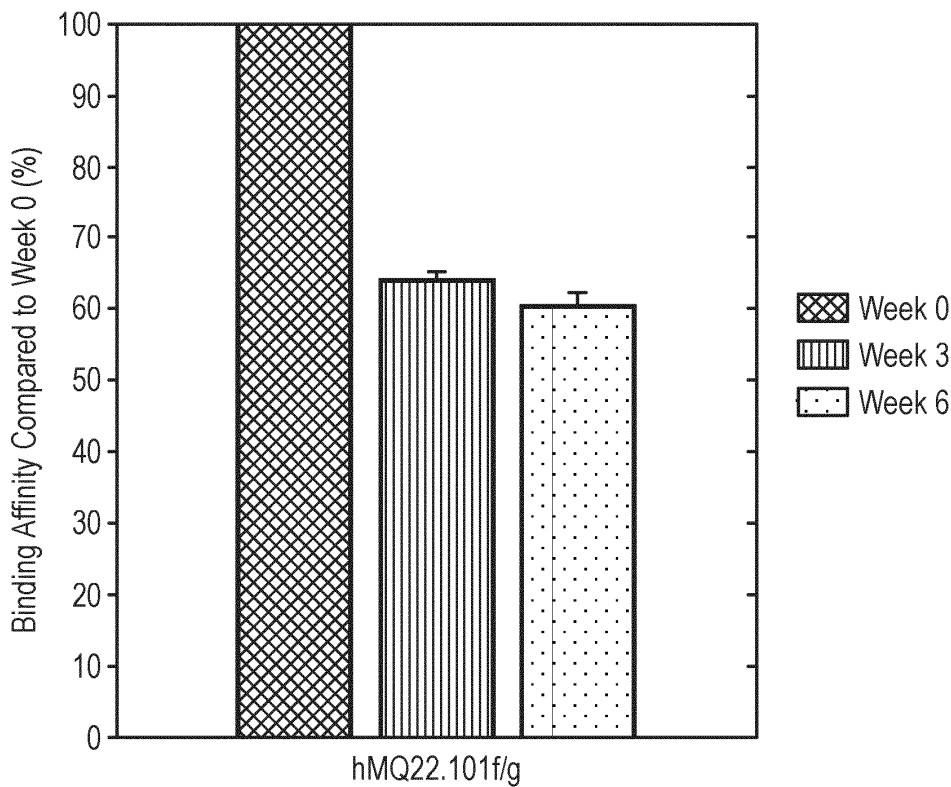
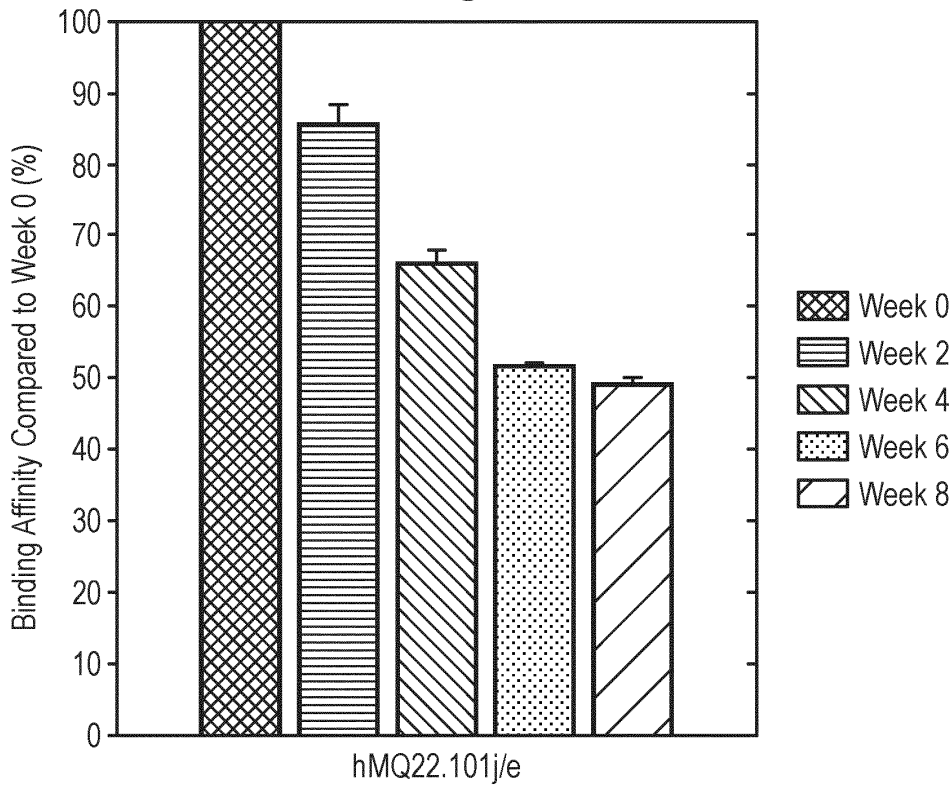


Fig. 2A

Sequence	Location	Modification	Week 0	Week 4	Week 8
QSLVDSGKTY LVSKLDS	VL CDR1	Isoaspartate	1.6%	27.1%	39.9%
	near VL CDR2	Isoaspartate	0.2%	0.2%	0.2%

Fig. 2B

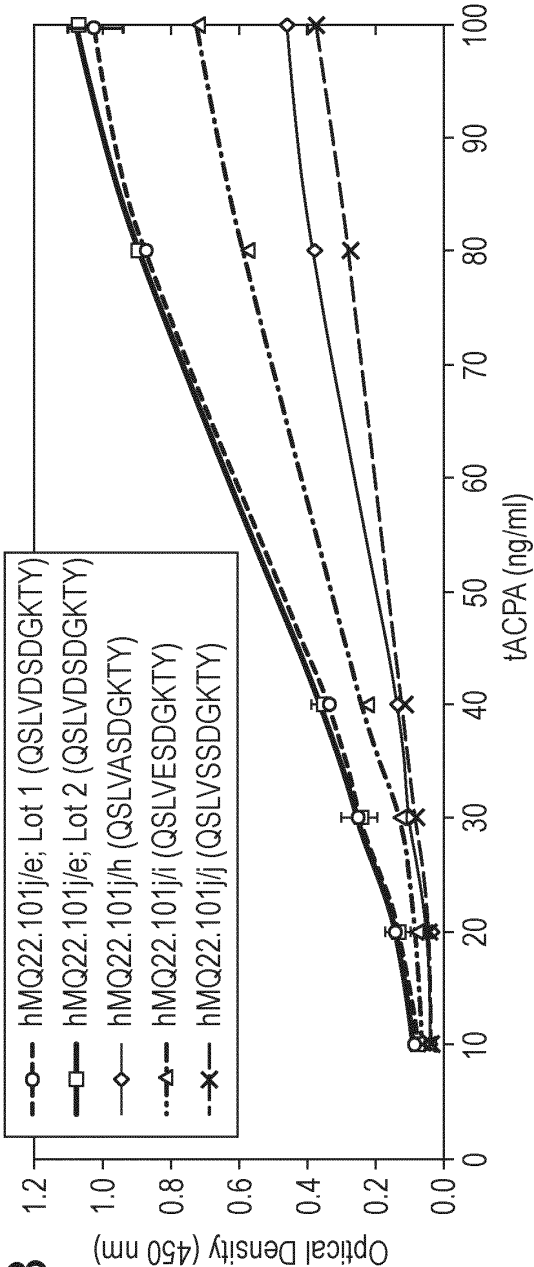


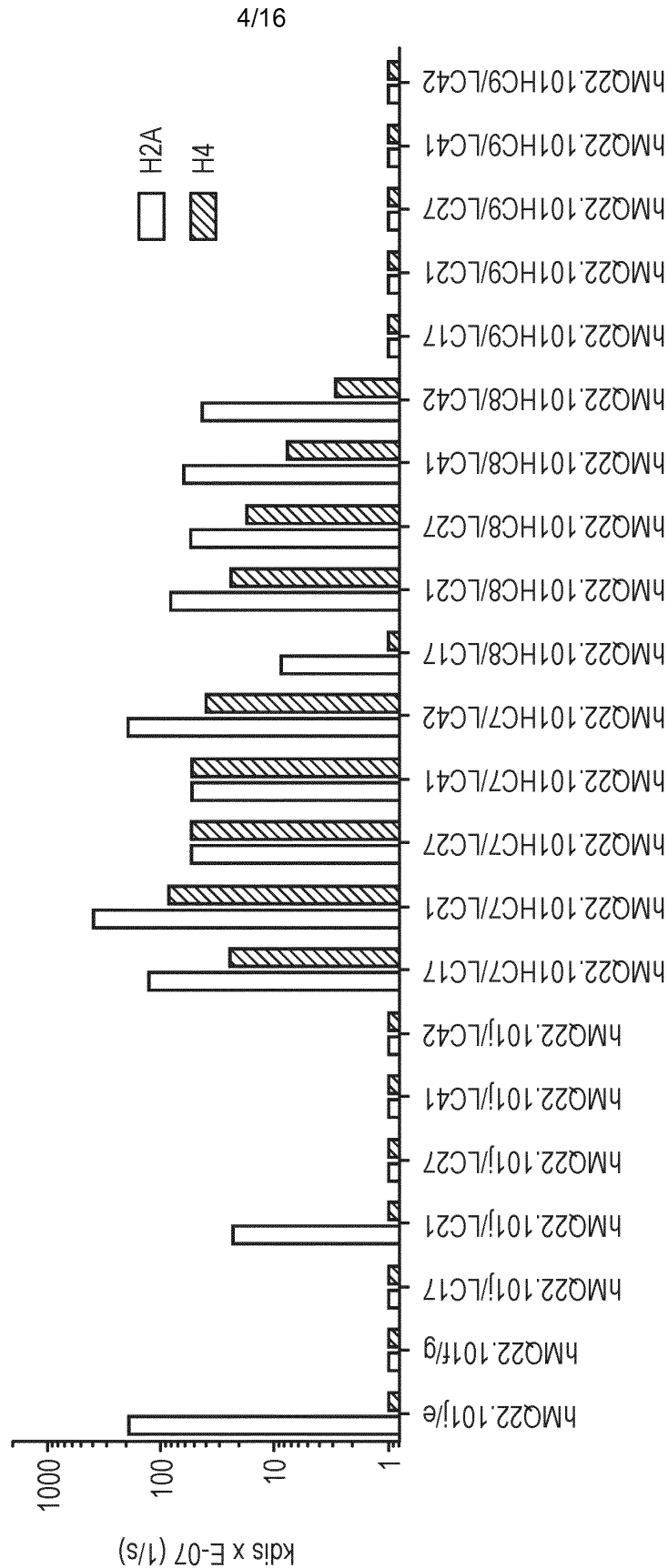
Fig. 2C

Sequence	Location	Modification	Week 0	Week 4
QSLVESDGKTY LVSKLDS	VL CDR1	Isoaspartate	1.3%	3.2%
	near VL CDR2	Isoaspartate	0.0%	0.0%

Fig. 3A

LC Construct	# Residue in the LC				
	#30	#31	#32	#33	#34
hVL22.101e	V	D	S	D	G
hVL22.101g	L	D	S	D	G
hVL22.101LC16	L	E	S	D	G
hVL22.101LC17	L	D	T	D	G
hVL22.101LC19	L	D	S	E	G
hVL22.101LC20	L	D	S	S	G
hVL22.101LC21	L	D	S	D	A
hVL22.101LC22	L	E	S	E	G
hVL22.101LC23	L	E	S	S	G
hVL22.101LC24	L	E	S	D	A
hVL22.101LC25	L	D	T	E	G
hVL22.101LC26	L	D	T	S	G
hVL22.101LC27	L	D	T	D	A
hVL22.101LC37	L	D	S	A	G
hVL22.101LC38	L	E	S	A	G
hVL22.101LC39	L	D	A	E	G
hVL22.101LC40	L	D	N	E	G
hVL22.101LC41	L	D	A	D	G
hVL22.101LC42	L	D	N	D	G

Fig. 3B
Dissociation Rate: Second Generation of Isomerisation Mutants



5/16

Fig. 4

Accelerated Stability 37°C
Interpolated Results as Percentage of Week 0 (50 ng/ml)

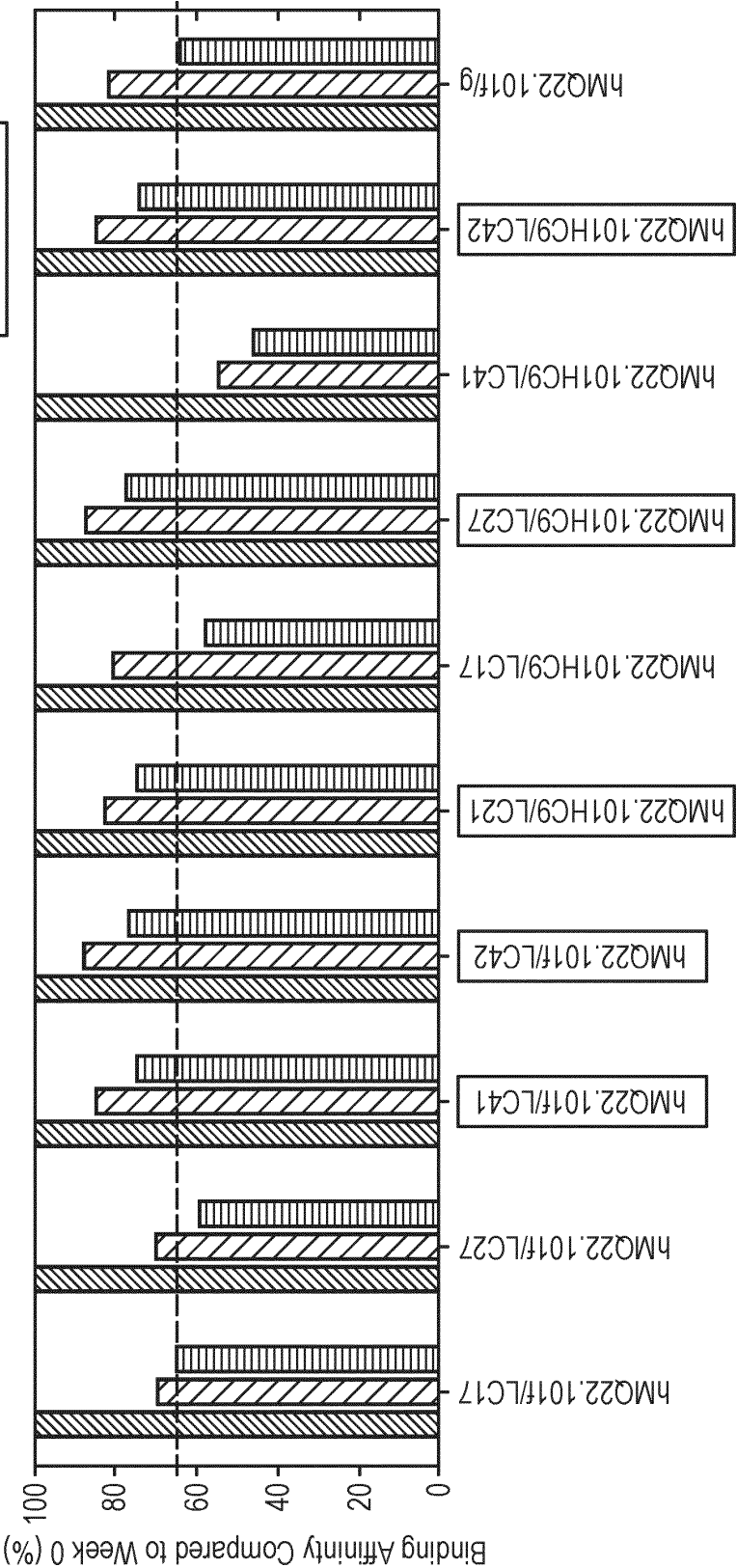
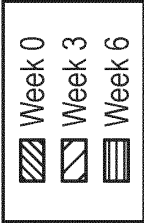


Fig. 5

Antibody	Lot#	Sequence	Modification	Week 0	Week 4	Week 6	Week 8
hMQ22.101j/e	16151	XDSDGX	Isoaspartate	1.6%	27.1%		39.9%
hMQ22.101f/LC41	17362	LDADGK	Isoaspartate	0.6%		1.1%	
hMQ22.101f/LC42	17363	LDNDGK	Isoaspartate	1.2%		3.1%	
hMQ22.101HC9/LC21	17364	LDSDAK	Isoaspartate	0.6%		10.9%	
hMQ22.101HC9/LC27	17392	LDTDAK	Isoaspartate	0.5%		9.7%	
hMQ22.101HC9/LC42	17394	LDNDGK	Isoaspartate	0.5%		3.1%	

Fig. 6

Antibody	Lot#	Aggregation			Degradation		
		Week 0	Week 6		Week 0	Week 6	
hMQ22.101f/LC41	17362	0.20%	0.20%	-	-	0.20%	
hMQ22.101f/LC42	17363	0.13%	0.17%	-	-	0.17%	
hMQ22.101HC9/LC42	17394	0.11%	0.13%	-	-	0.17%	

Fig. 7

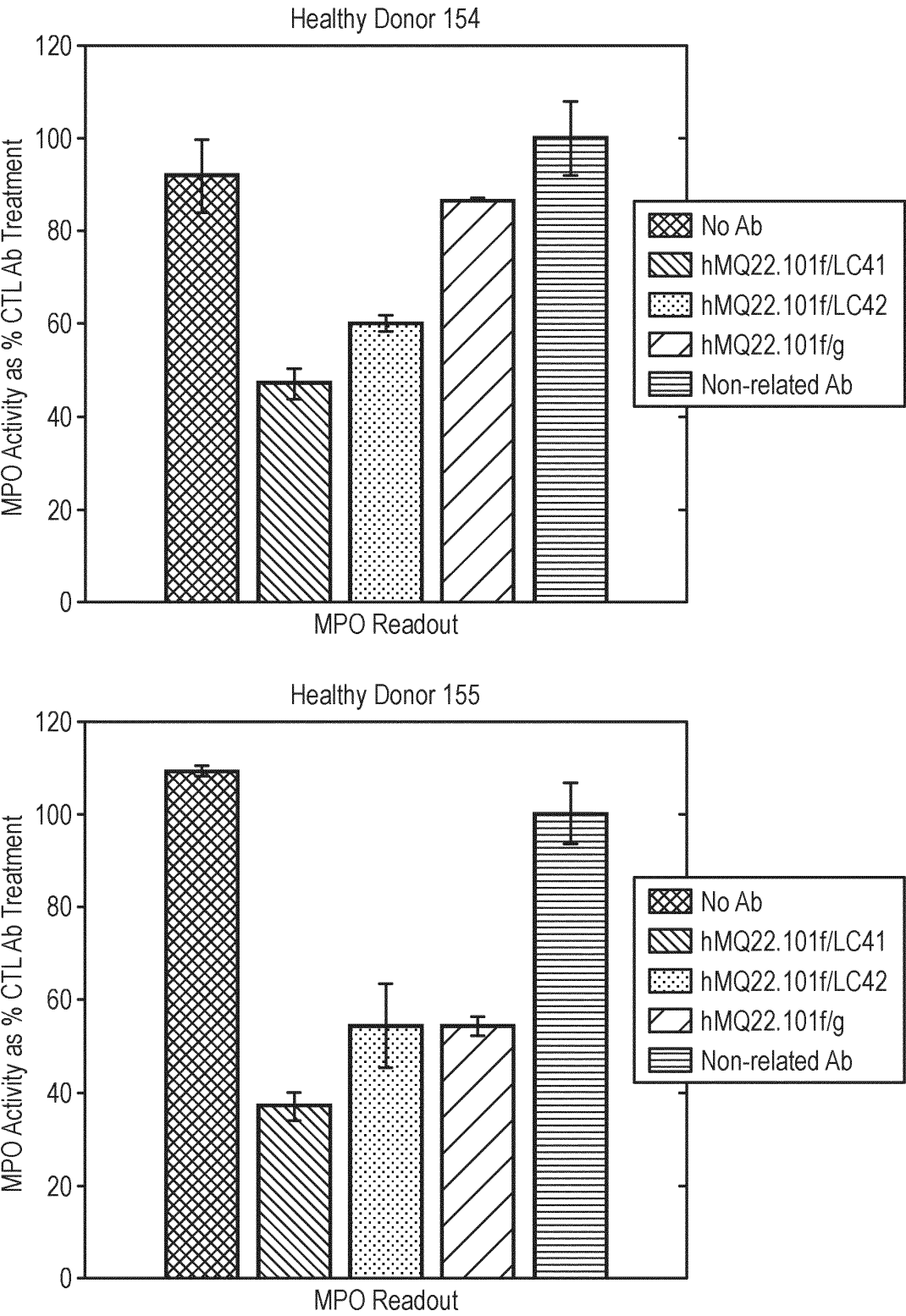


Fig. 8

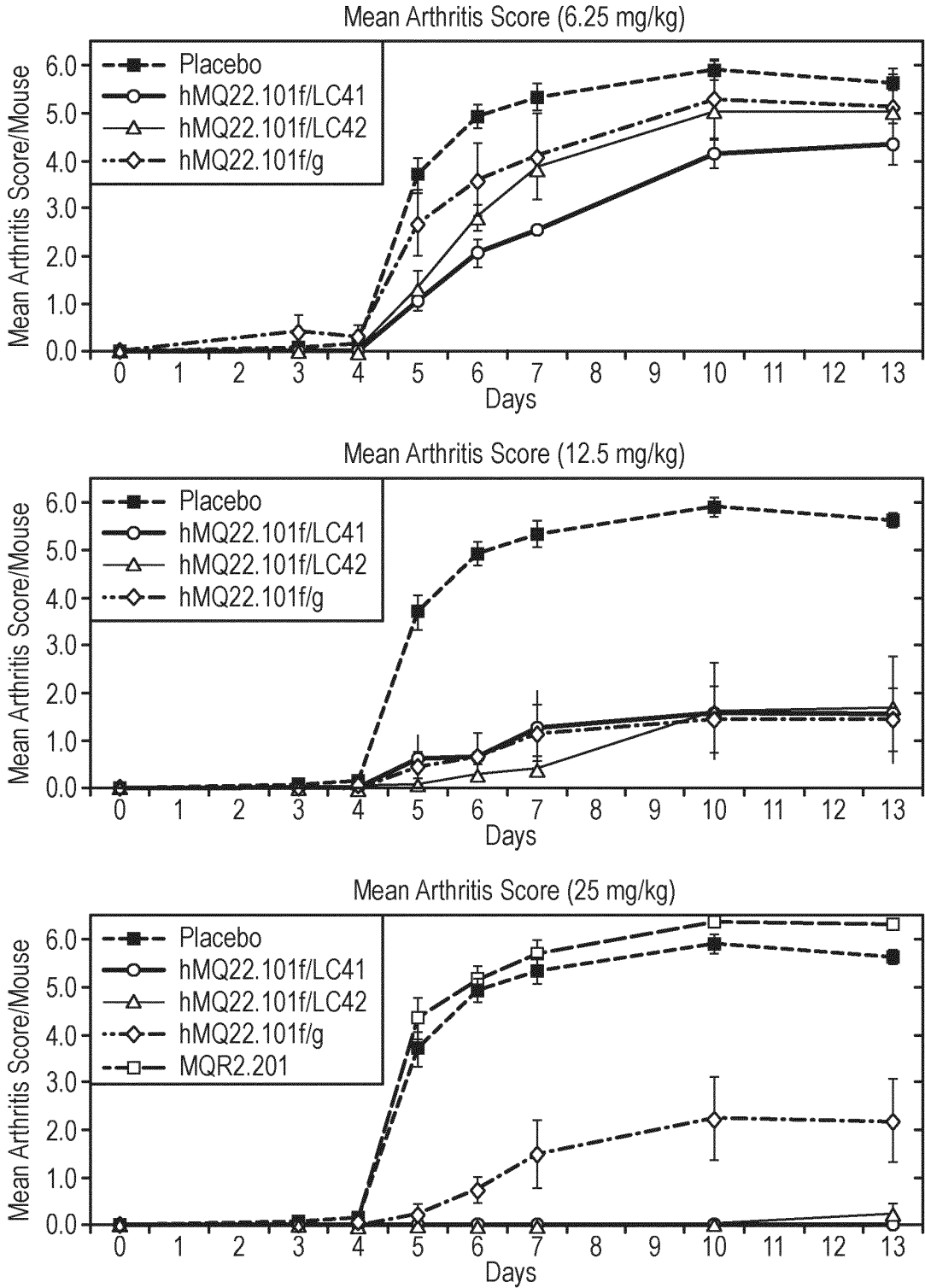


Fig. 9A

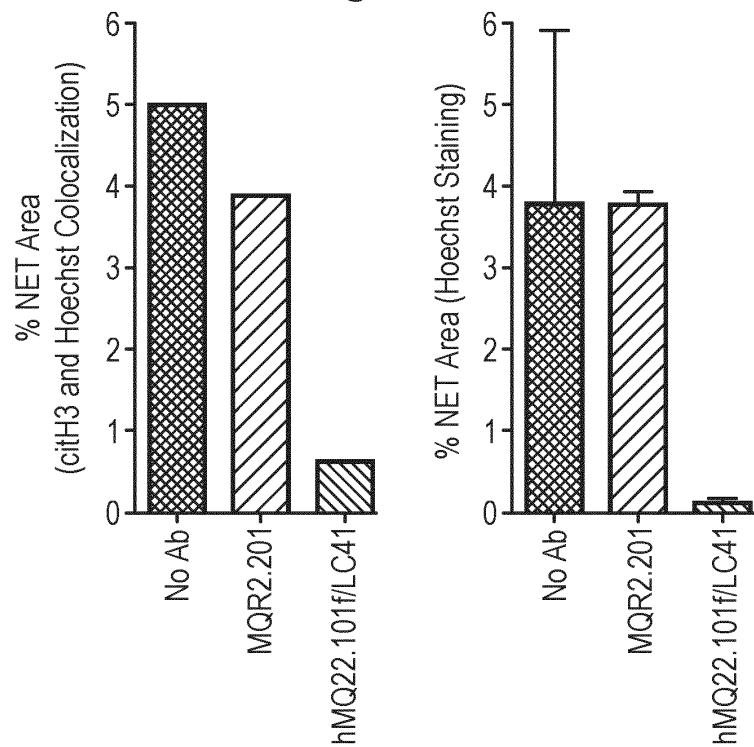


Fig. 9B

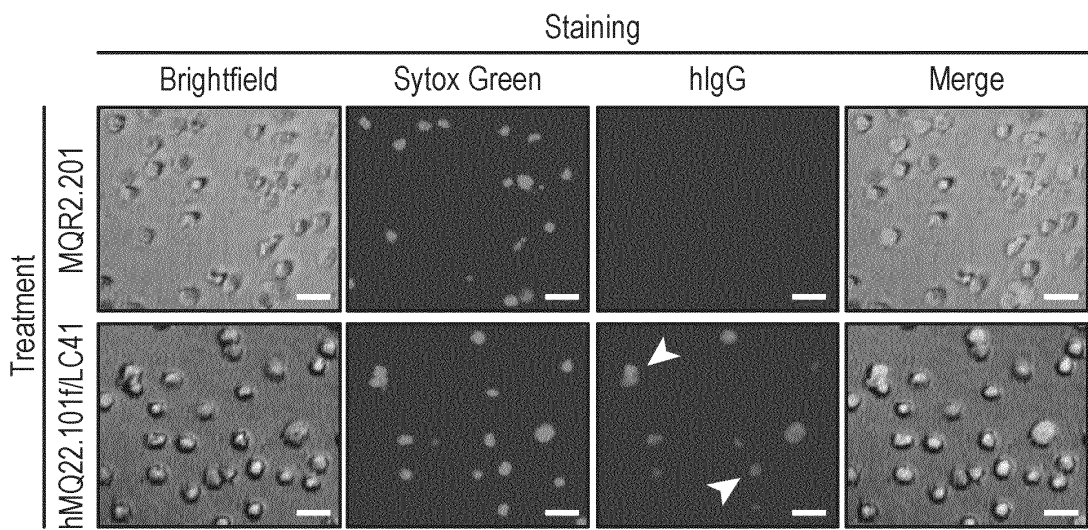


Fig. 10A

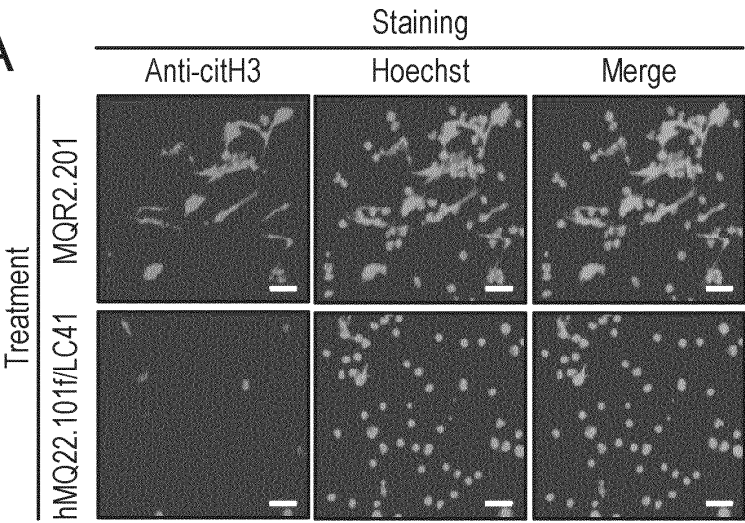


Fig. 10B

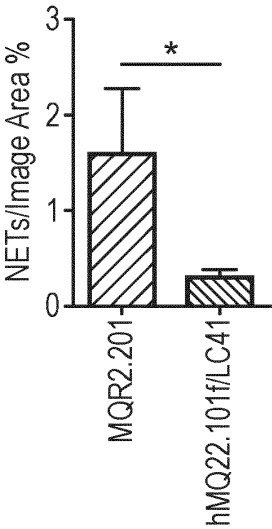


Fig. 10C

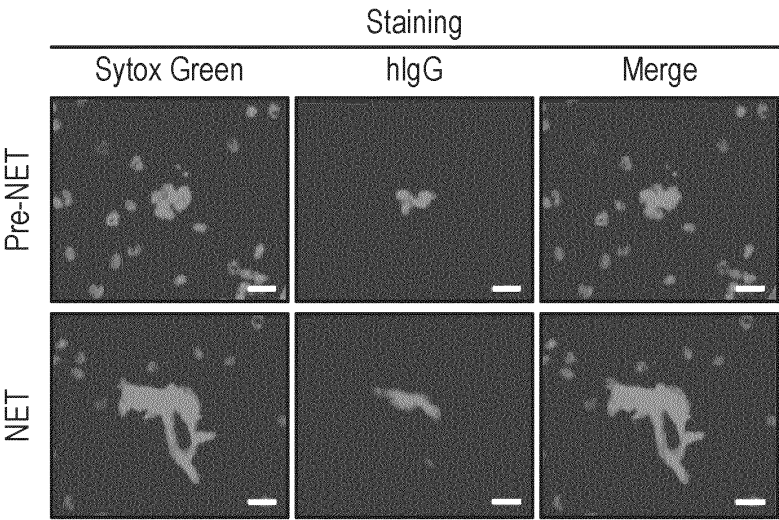
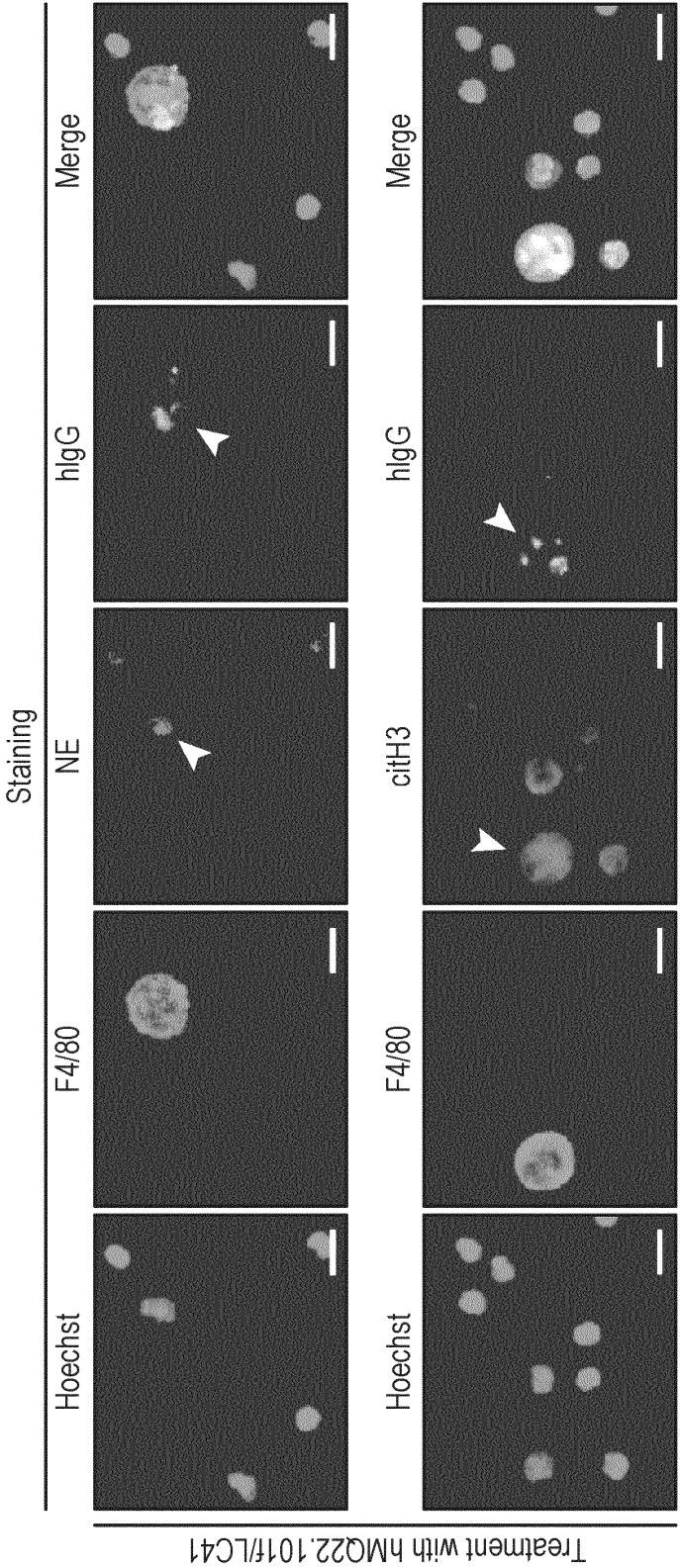


Fig. 11



12/16

Fig. 12A

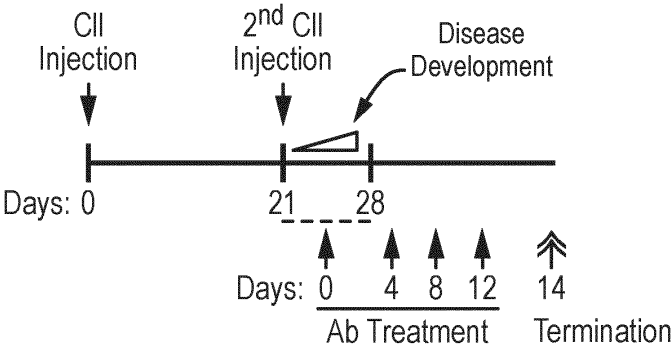


Fig. 12B

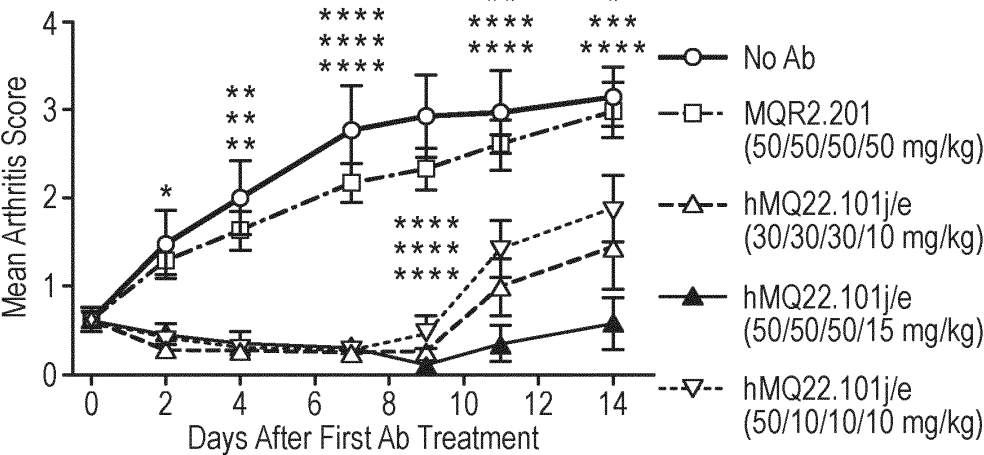


Fig. 12C

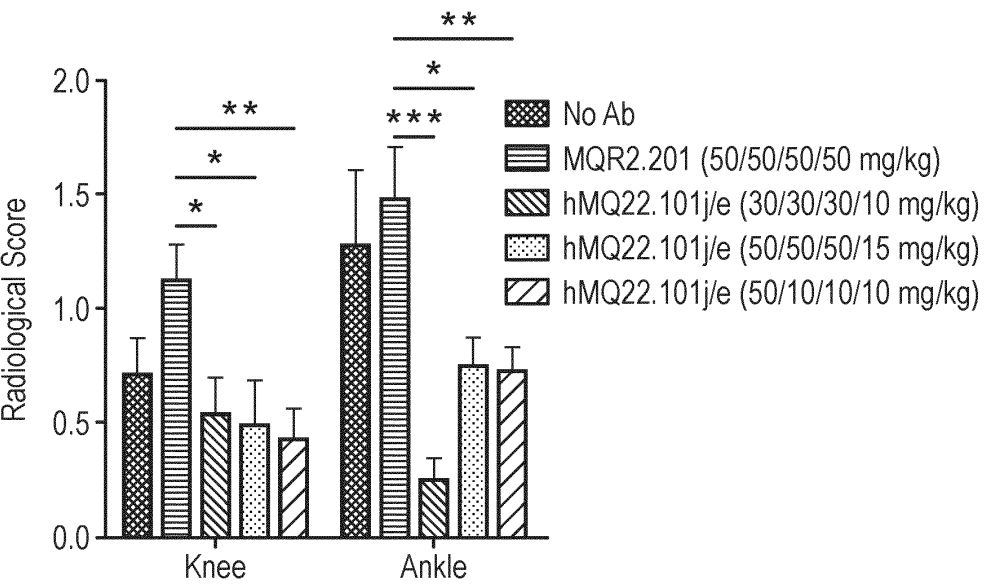


Fig. 12D

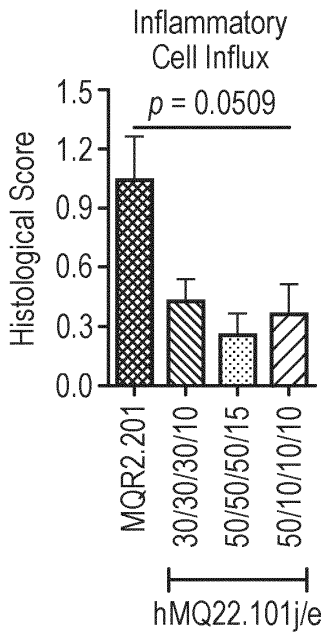


Fig. 12E

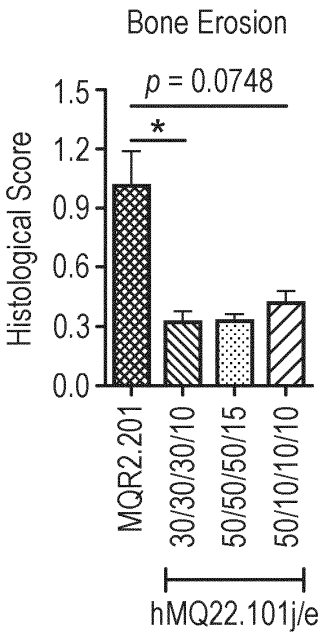


Fig. 12F

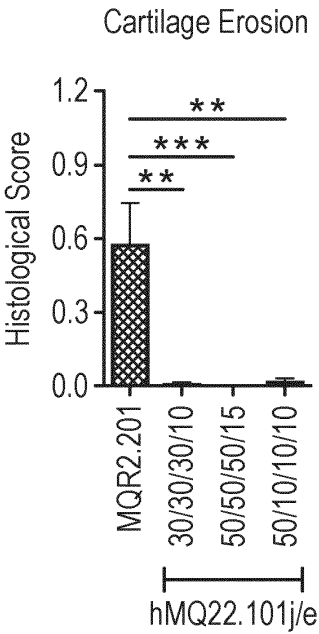


Fig. 12G

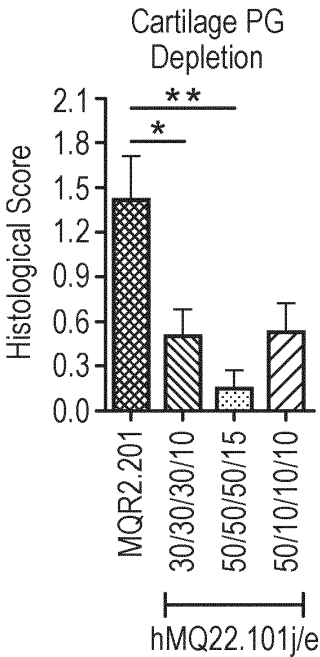


Fig. 12H

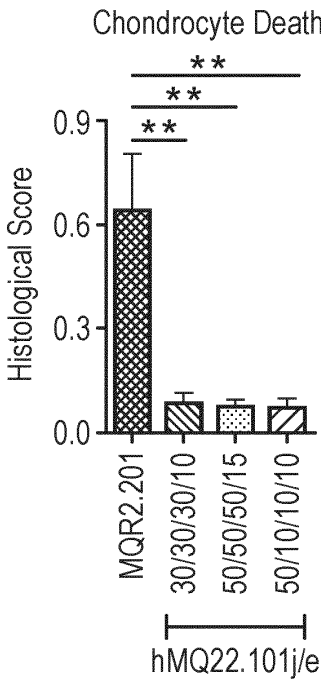
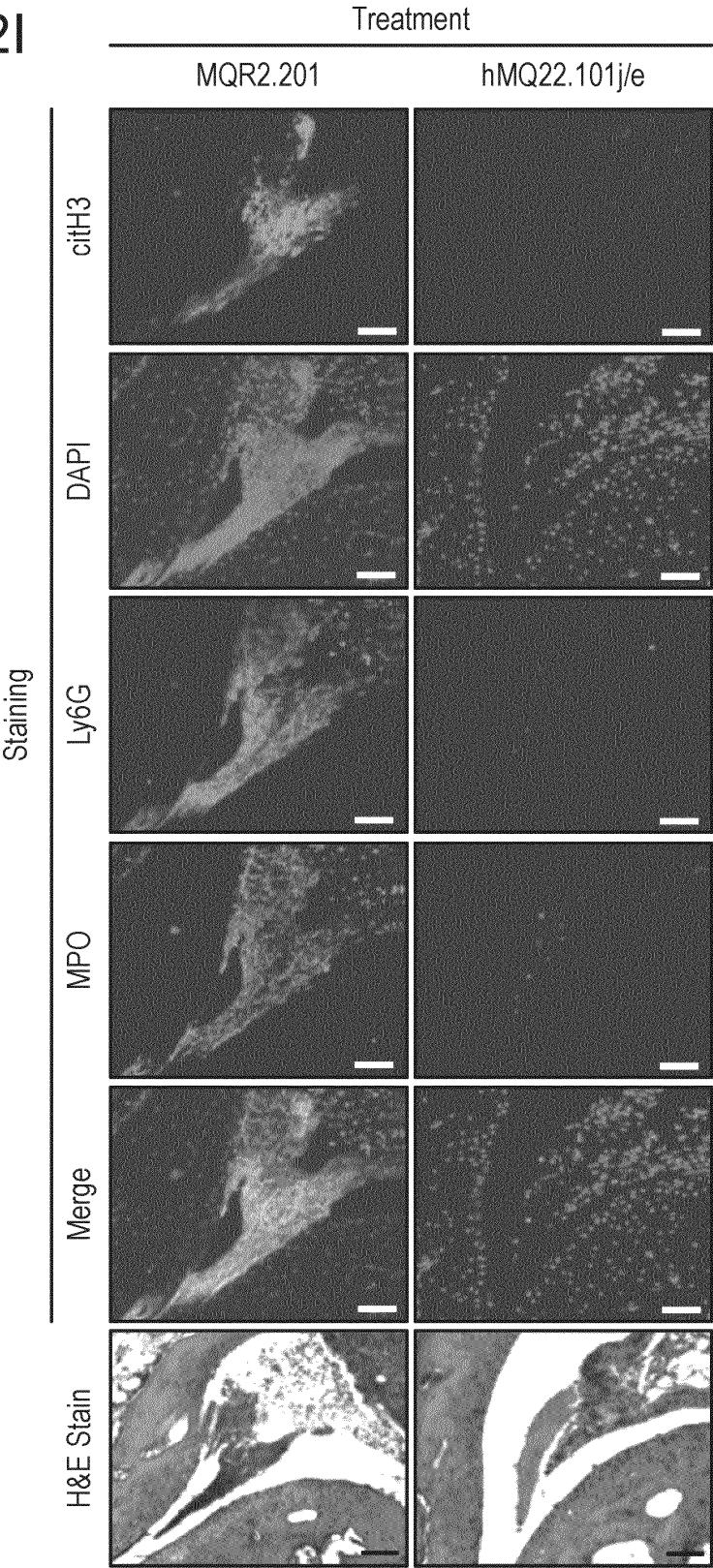


Fig. 12I



15/16

Fig. 12J

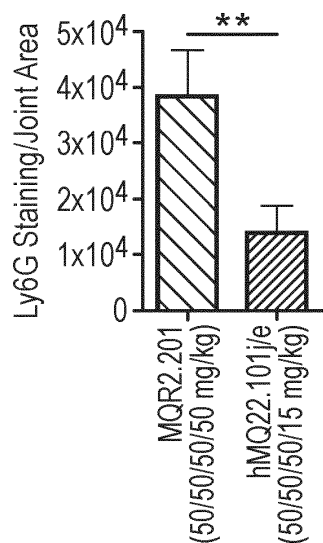


Fig. 12K

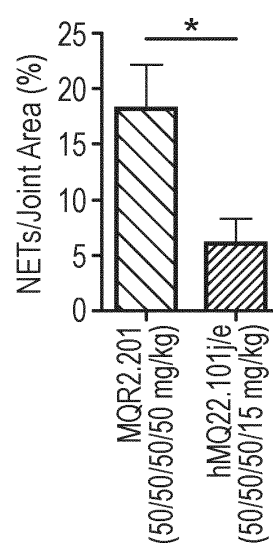


Fig. 12L

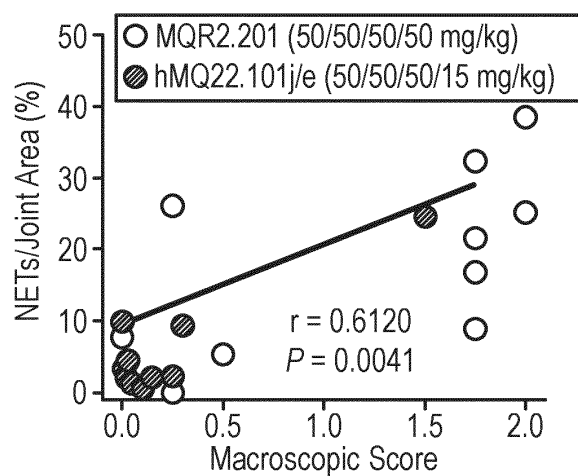


Fig. 12M

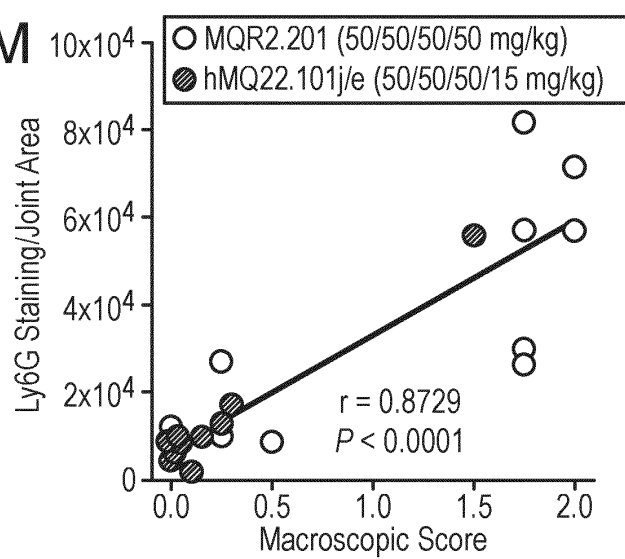


Fig. 13

