

Figure 1A

P05787	K2C8_HUMAN	1	-----MSIRVTQKSYKVSTSGPRAFSSRSYTSGGPGSR	32
P05787-2	K2C8_HUMAN	1	MNGVSWSQLQEGISAWFGPPASTPASTMSIRVTQKSYKVSTSGPRAFSSRSYTSGGPGSR	60

P05787	K2C8_HUMAN	33	ISSSSFSRVGSSNFRGGLGGGYGGASGMGGITAVTVNQSLSPVLVLEVDPNIAVARTQEK	92
P05787-2	K2C8_HUMAN	61	ISSSSFSRVGSSNFRGGLGGGYGGASGMGGITAVTVNQSLSPVLVLEVDPNIAVARTQEK	120

P05787	K2C8_HUMAN	93	EQIKTLNNKFASFIDKVRFLQONKMLETKWSLLQQOKTARSNMDNMFESYINNLRROLE	152
P05787-2	K2C8_HUMAN	121	EQIKTLNNKFASFIDKVRFLQONKMLETKWSLLQQOKTARSNMDNMFESYINNLRROLE	180

P05787	K2C8_HUMAN	153	TLGQEKLEAEELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVDEAYMNKVELES	212
P05787-2	K2C8_HUMAN	181	TLGQEKLEAEELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVDEAYMNKVELES	240

P05787	K2C8_HUMAN	213	RLEGLTDEINFLRQLYEEEIRELQSQISDTSVVLSMDNSRSLDMSIIAEVKAQYEDIAN	272
P05787-2	K2C8_HUMAN	241	RLEGLTDEINFLRQLYEEEIRELQSQISDTSVVLSMDNSRSLDMSIIAEVKAQYEDIAN	300

P05787	K2C8_HUMAN	273	RSRAEAESMYQIKYEELQSLAGKHGDDLRTKTEISEMNRNISRLQAEIEGLKGQRASLE	332
P05787-2	K2C8_HUMAN	301	RSRAEAESMYQIKYEELQSLAGKHGDDLRTKTEISEMNRNISRLQAEIEGLKGQRASLE	360

P05787	K2C8_HUMAN	333	AAIADAEQRGELAIKDANAKLSELEAALQRAKQDMARQLREYQELMNVKLALDIEIATYR	392
P05787-2	K2C8_HUMAN	361	AAIADAEQRGELAIKDANAKLSELEAALQRAKQDMARQLREYQELMNVKLALDIEIATYR	420

P05787	K2C8_HUMAN	393	KLLEGEESRLESQMNMSTHTKTTSGYAGGLSSAYGGTSPGLSYSLGSSFGSGAGSSSF	452
P05787-2	K2C8_HUMAN	421	KLLEGEESRLESQMNMSTHTKTTSGYAGGLSSAYGGTSPGLSYSLGSSFGSGAGSSSF	480

P05787	K2C8_HUMAN	453	SRTSSSRVAVVKKIETRDGKLVSESSDVLPK (SEQ ID NO: 24)	483
P05787-2	K2C8_HUMAN	481	SRTSSSRVAVVKKIETRDGKLVSESSDVLPK (SEQ ID NO: 25)	511

Figure 1B

	1	70
K2C8_HUMAN P05787	(1) MSIRVTQKSYKVSTSGP-RAFSSRSYTSGPSRISSSSFSSRVGS--SNFRGGLGG-----GYGGASGMG	
K2C8_MOUSE P11679	(1) MSIRVTQKSYKMSTSGP-RAFSSRSYTSGPSRISSSSFSSRVGSSSSSFRGSMGTGV--GLGGFGGAGVG	
K2C8_RAT Q10758	(1) MSVRVTQKSYKMSTSGP-RAFSSRSYTSGPSRISSSSFSSRVGSSSSSFRGSLG-----GFGGAGVG	
K2C8_BOVINE P05786	(1) MSIRVTQKSYKVSTSGP-RSFSRSYTSGPSRISSSAFSSRVGSSSSSFRGGLGTGMSMAGSYGGAPGLG	
K2C8_PIG NP_001153087	(1) MSIRVTQKSYKVSTSGP-RSFSRSYTSGPSRISSSAFSSRVGSSSSSFRGGLGSSMSLVGGYGGPSSGLG	
K2C8_HORSE XP_023499379	(1) MSIRMT-KSYRVS-SVP-RAFSSRSYTSAPGARISSSSFSSRVGSSSSSFRSGLSGMSLVGGYGGLSAG	
K2C8_CHICKEN XP_015128103	(1) MSVTITRKSVRSSSAVPSRFSRSFTAGTPTVRMSAASAYGTLGSRFVGGLQGRP-----VAVS-GG	
K2C8_FELIS XP_003988794	(1) MSIRVTQKSYKVSSSGP-RGFSSLSFTSAPGSRIS--ALS RVSGS--SFRGGLGSSMSVTVGGYGRPGMG	
K2C8_DOG NP_001332968	(1) MSIRVTQKSYKMSTSSP-RAFSSRSYTSGPSRISSSAFSSRVGSSSGSFRGGLNSMSVVG YGGP VVG	
K2C8_RABBIT XP_008254718	(1) MSIRVTQKSYKVSTSGP-RAFSSRSYTSAPGARISSSSFSSRVG---SSFRGAGMGLA--GGYGGAPVAG	
K2C8_SHEEP XP_012004593	(1) MSIRVTQKSYKVSTSGP-RSFSRSYTSGPSRISSSAFSSRVGSSGS--FRGGLGTSMMSAGSYGGAPGLG	
Consensus	(1) MSIRVTQKSYKVSTSGP RAFSSRSYTSGPSRISSSSFSSRVGSSSSSFRGGLGS MSL GGYGG GLG	140
K2C8_HUMAN P05787	(62) GITAVTVNQSLSPVLVLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRFLQQNKMLETKWSLLQQQKT	140
K2C8_MOUSE P11679	(68) GITAVTVNQSLSPKLKLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRFLQQNKMLETKWSLLQQQKT	
K2C8_RAT Q10758	(62) GITAVTVNQSLNPKLLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRFLQQNKMLETKWSLLQQQKT	
K2C8_BOVINE P05786	(69) GITAVTVNQSLSPKLKLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRFLQQNKMLETKWSLLQQQKT	
K2C8_PIG NP_001153087	(70) GITAVTVNQSLSPKLKLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRHLEQQNKVLETKWNLLQQQKT	
K2C8_HORSE XP_023499379	(68) GITAVTVNQSLTPIKLEVDPNIQVVRTQEKEQIKTLNNKFASFIDKVRHLEQQNKILETKWSFLQQQKT	
K2C8_CHICKEN XP_015128103	(64) GIAAVTVNQSLTPINLDDITSIQQVRKEEKEQIKTLNNRFASFIDKVRFLQQNKMLETKWSLLQQQKT	
K2C8_FELIS XP_003988794	(68) AITAVSVNQSLSPKLKLEVDPNIQAVRTQEKEQIKTLNNRFASFIDKVRHLEQQNKILETKWNLLQQQKT	
K2C8_DOG NP_001332968	(70) SITAVSVNQSLNPKLLEVDPNIQAVRTQEKEQIKSLNNKFASFIDKVRHLEQQNKILETKWSLLQQQKT	
K2C8_RABBIT XP_008254718	(65) GITAVTVNQSLSPKLKLEVDPNIQAVRTQEKEQIKSLNNKFASFIDKVRFLQQNKMLETKWSLLQQQKT	
K2C8_SHEEP XP_012004593	(69) GITAVTVNQSLSPKLKLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRHLEQQNKVLETKWNLLQQQKT	
Consensus	(71) GITAVTVNQSLSPKLKLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRHLEQQNKMLETKWSLLQQQKT	210
K2C8_HUMAN P05787	(132) ARSNMDNMFESYINNLRRQLETGLQEKLEAEGLGNMQGLVDFKNKYEDEINKRTEMENEFVLIIKKDVD	210
K2C8_MOUSE P11679	(138) SRSNMDNMFESYINNLRRQLEALGQEKLEAEGLGNMQGLVDFKNKYEDEINKRTEMENEFVLIIKKDVD	
K2C8_RAT Q10758	(132) SRSNMDNMFESYINNLRRQLEALGQEKLEAEGLGNMQGLVDFKNKYEDEINKRTEMENEFVLIIKKDVD	
K2C8_BOVINE P05786	(139) ARSNIDNMFESYINNLRRQLETGLQEKLEAEGLGNMQGLVDFKTKYEDIEIKRTEMENEFVLIIKKDVD	
K2C8_PIG NP_001153087	(140) ARSNIDNMFESYINNLRRQLETGLQEKLEAEGLGNMQGLVDFKNKYEDIEIKRTEMENEFVLIIKKDVD	
K2C8_HORSE XP_023499379	(138) ARSNMDNMFESYINNLRRQLEALGQEKLEAEGLGNMQGLVDFKNKYEDEINKRTEKENEFLIIKKDVD	
K2C8_CHICKEN XP_015128103	(134) QRSDLRGLFEGYVGLRRQLEGLGQERLRLAEALGSMQGLVDFKNKYEDIEINRTEKENEFLIIKKDVD	
K2C8_FELIS XP_003988794	(138) ARSNMDNMFESYINNLRRQLETLGQEKLEAEGLGNMQGLVDFKNKYEDIEIKERADMENEFVLIIKKDVD	
K2C8_DOG NP_001332968	(140) SRSNIDNMFESYINNLRRQLETLGQEKLEAEGLGNMQGLVDFKNKYEDIEIKRGMENEFVLIIKKDVD	
K2C8_RABBIT XP_008254718	(135) ARSNMDNMFESYINNLRRQLEALGQEKLEAEGLGNMQGLVDFKNKYEDEINKRTEMENEFVLIIKKDVD	
K2C8_SHEEP XP_012004593	(139) ARSNIDNMFESYINSLRRQLETGLQEKLEAEGLGNMQGLVDFKTKYEDIEIKRTEMENEFVLIIKKDVD	
Consensus	(141) ARSNMDNMFESYINNLRRQLETGLQEKLEAEGLGNMQGLVDFKNKYEDEINKRTEMENEFVLIIKKDVD	280
K2C8_HUMAN P05787	(202) EAYMNKVELESRLGLTDEINFLRQLYEEEEIRELQSQISDTSVVLSDMNSRSLDMSIIAEVKAQYEDIA	280
K2C8_MOUSE P11679	(208) EAYMNKVELESRLGLTDEINFLRQHHEEIIRELQSQISDTSVVLSDMNSRSLDMDGIIAEVRAQYEDIA	
K2C8_RAT Q10758	(202) EAYMNKVELESRLGLTDEINFLRQHHEEIIRELQSQISDTSVVLSDMNSRSLDMSIIAEVKAQYEEIA	
K2C8_BOVINE P05786	(209) EAYMNKVELESRLGLTDEINFYRQLYEEEEIREMQSQISDTSVVLSDMNNRSLDLDGIIAEVKAQYEEIA	
K2C8_PIG NP_001153087	(210) EAYMNKVELESRLGLTDEINFYRQLYEEEEIREMQSQISDTSVVLSDMNSRSLDLDGIIAEVKAQYEEIA	
K2C8_HORSE XP_023499379	(208) EAYMNKVELESRLGLTDEINFYRQLYEEEEIRELQSQISDTSVVLSDMNNRSLDLDGIIAEVKAQYEDIA	
K2C8_CHICKEN XP_015128103	(204) EAYMSKVELESRLSLTDEINFLRQLYDEELREMQSQISDTSVVLSDMNNRSLDLDGIIAEVKAQYEDIA	
K2C8_FELIS XP_003988794	(208) EAYMNKVELESRLGLTDEINFLRQLYEEEEIRELQSQISDTSVVLSDMNSRSLDLDGIIAEVKAQYEEIA	
K2C8_DOG NP_001332968	(210) EAYMNKIELESRLGLTDEINFLRQLYEEEEIRELQSQISDTSVVLSDMNSRSLDLDGIIAEVKAQYEDIA	
K2C8_RABBIT XP_008254718	(205) EAYMNKVELESRLGLTDEINFYRQLYEEEEIRELQSQISDTSVVLSDMNSRSLDLDGIIAEVKAQYEDIA	
K2C8_SHEEP XP_012004593	(209) EAYMNKVELESRLGLTDEINFYRQLYEEEEIREMQSQISDTSVVLSDMNNRSLDLDGIIAEVKAQYEEIA	
Consensus	(211) EAYMNKVELESRLGLTDEINFLRQLYEEEEIRELQSQISDTSVVLSDMNSRSLDLDGIIAEVKAQYEDIA	350
K2C8_HUMAN P05787	(272) NRSRAEASMYQIKYEELQSLAGKHGDDLRRRTKTEISEMNRNISRQAIEEGLKGQRASLEAAIADAEQR	350
K2C8_MOUSE P11679	(278) NRSRAEATMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNINRLQAEIEALKGQRASLEAAIADAEQR	
K2C8_RAT Q10758	(272) NRSRAEATMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNISRQAIEDALKGQRATLEAAIADAEQR	
K2C8_BOVINE P05786	(279) NRSRAEASMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNINRLQAEIEGLKGQRASLEAAIADAEQR	
K2C8_PIG NP_001153087	(280) NRSRAEATMYQIKYEELQSLAGKHGDDLRRRTKTEISEMNRNISRQAIEEGLKGQRASLEAAIADAEQR	
K2C8_HORSE XP_023499379	(278) NRSRLAEAFMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNINRLRAEIDGLKGQNALEAAIADAEQR	
K2C8_CHICKEN XP_015128103	(274) NRSRLAEATWYQSKYEELKTAGKHGDDLRTTRSEISELNRMIQRIQAEIEVLKNQRTLETATAEAEER	
K2C8_FELIS XP_003988794	(278) NRSRAEATMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNINRLQAEIEGLKNQASLEAAVADAEQR	
K2C8_DOG NP_001332968	(280) NRSRVAEATMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNISRQAIEETLKNQRAALEAAIADAEQR	
K2C8_RABBIT XP_008254718	(275) NRSRAEASMYQVQYEELQLQAGKHGDDLRRRTKTEISEMNRNISRQAIEIEALKGQRATLEAAIADAEQR	
K2C8_SHEEP XP_012004593	(279) NRSRAEATMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNISRQAIEEGLKGQRASLEAAIADAEQR	
Consensus	(281) NRSRAEATMYQIKYEELQTLAGKHGDDLRRRTKTEISEMNRNISRQAIEEGLKGQRASLEAAIADAEQR	420
K2C8_HUMAN P05787	(342) GELAIK DANAKLSEEAALQRAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	420
K2C8_MOUSE P11679	(348) GEMAIKDAQTKLAELEAALQRAKQDMARQLREYQELMNVKALDIEITTYRKLLGEESRLESQMNMISI	
K2C8_RAT Q10758	(342) GELAVK DANAKLEDLKNALQKAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
K2C8_BOVINE P05786	(349) GEMAVKDAQAKLAELEAALRNKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
K2C8_PIG NP_001153087	(350) GELAVKDAQAKLAELEAALRNKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
K2C8_HORSE XP_023499379	(348) GELAIKDAQDKVTELEVALRTAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNLISI	
K2C8_CHICKEN XP_015128103	(344) GEMALKDARAKLSEEAALQKAKQDLARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNLISI	
K2C8_FELIS XP_003988794	(348) GELAVK DANAKVAELEAALQRAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
K2C8_DOG NP_001332968	(350) GELAVK DANAKVAELEAALQRAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
K2C8_RABBIT XP_008254718	(345) GELAIK DANAKLAELEAALQRAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
K2C8_SHEEP XP_012004593	(349) GEMAVKDAQAKLAELEAALRNKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	
Consensus	(351) GELAVK DANAKLAELEAALQRAKQDMARQLREYQELMNVKALDIEIATYRKLLGEESRLESQMNMISI	

Figure 1B contd

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                                421
K2C8_HUMAN P05787 (412) HTKTTSGYAGGLSSAYGGLTSPGLSYSLG----SSFSGAGSSSFRTSSSRVAVVKKIETRDGKLVSES
K2C8_MOUSE P11679 (418) HTKTTSGYSGGLSSSYGGLTSPGFSYGMSS-FQPGFGSAGGSNTFSRT--TKAVVVKKIETRDGKLVSES
K2C8_RAT Q10758 (412) HTKTTSGYAGGLSSSYGGLTSPGFSYGMSS-FQPGFGSVGGSTYSR---TKAVVVKKIETRDGKLVSES
K2C8_BOVINE P05786 (419) HTKTTSGYAGGLTSSYG---TPGFNYLSL-----PGSFSRTSS-KPVVVKKIETRDGKLVSES
K2C8_PIG NP_001153087 (420) HTKTTSGYSGGVT--YG---TPGFNYLSLSYQSGGLGSVGGSGSFSRTSS-KAVVVKKIETRDGKLVSES
K2C8_HORSE XP_023499379 (418) HTKTSSSYSGGLSSTTFGGLTSPGLSYGLSS-FQSSFSSGGSSGPIKLI GPPSAIVVKKIETRDGKLVSES
K2C8_CHICKEN XP_015128103 (414) HTRTT-GYSGGFGGGFGSSFSFGTYVTP-----PALESAAVPK---SRAIVIKKIETRDGKLVSEC
K2C8_FELIS XP_003988794 (418) HTKTSTGYSGGLVSAYGGLMSPGLSY----AMQSGFGSGGSSASSSRVSSSKAVVVKKIETRDGKLVSES
K2C8_DOG NP_001332968 (420) HTKTTSGYSGGLNLAYGGLTSPGLNYGQS-SFQSGFGPGGS---FSRSSSSKAVVVKKIETRDGKLVSES
K2C8_RABBIT XP_008254718 (415) HTKTTTGYAGGLSSGFGSLASPGLNYGLS--FQSGFGPGGSSSFTR---SKAVVVKKIETRDGKLVSES
K2C8_SHEEP XP_012004593 (419) HTKTTSGYAGGLTSAYG---TPGFNYLSLA-----SGGGPGSFSRTSS-KAVVVKKIETRDGKLVSES
Consensus (421) HTKTTSGYAGGLSSAYGGL SPGFSY LS Q GFGSGGSGSFSRTSSSKAVVVKKIETRDGKLVSES
                                491
K2C8_HUMAN P05787 (478) SDVLPK (SEQ ID NO: 24)
K2C8_MOUSE P11679 (485) SDVVSX (SEQ ID NO: 26)
K2C8_RAT Q10758 (478) SDIMSK (SEQ ID NO: 27)
K2C8_BOVINE P05786 (473) SDVLSK (SEQ ID NO: 28)
K2C8_PIG NP_001153087 (484) SDVLSK (SEQ ID NO: 29)
K2C8_HORSE XP_023499379 (487) SDILPK (SEQ ID NO: 30)
K2C8_CHICKEN XP_015128103 (471) ADVLTN (SEQ ID NO: 31)
K2C8_FELIS XP_003988794 (484) SDVLSK (SEQ ID NO: 32)
K2C8_DOG NP_001332968 (486) SDVLPK (SEQ ID NO: 33)
K2C8_RABBIT XP_008254718 (480) SDVLAK (SEQ ID NO: 34)
K2C8_SHEEP XP_012004593 (479) SDVLSK (SEQ ID NO: 35)
Consensus (491) SDVLSK (SEQ ID NO: 36)

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Figure 2

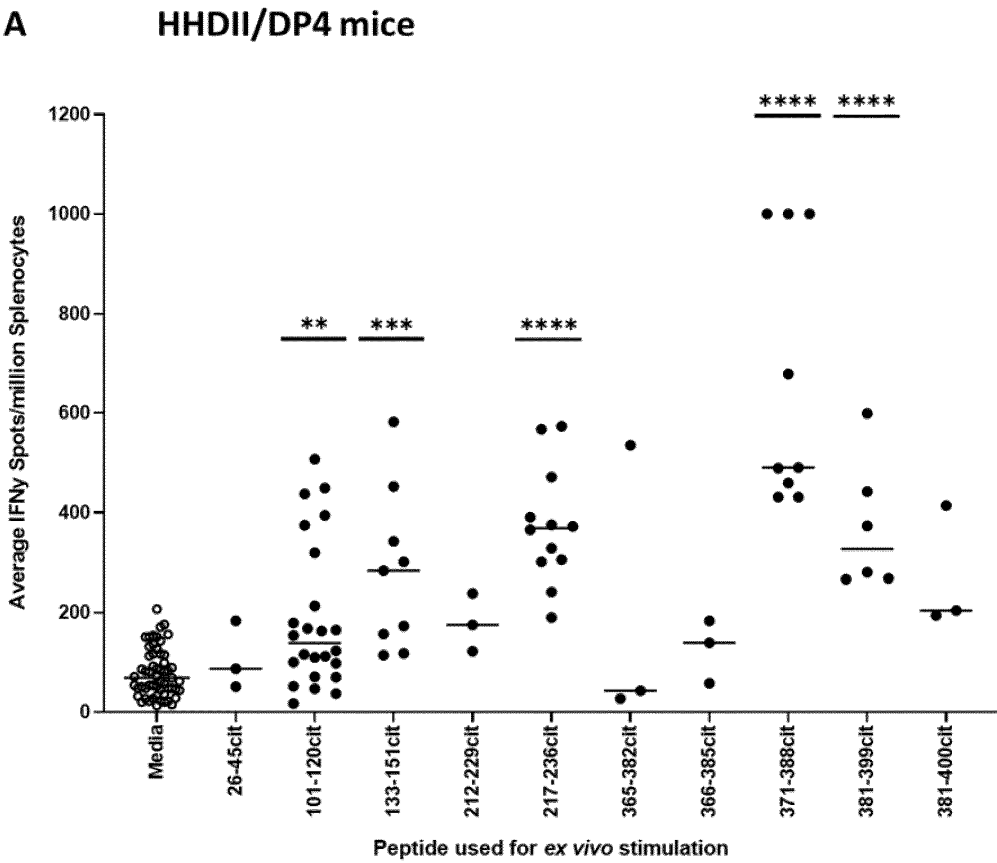


Figure 2 contd

B C57BL/6 mice

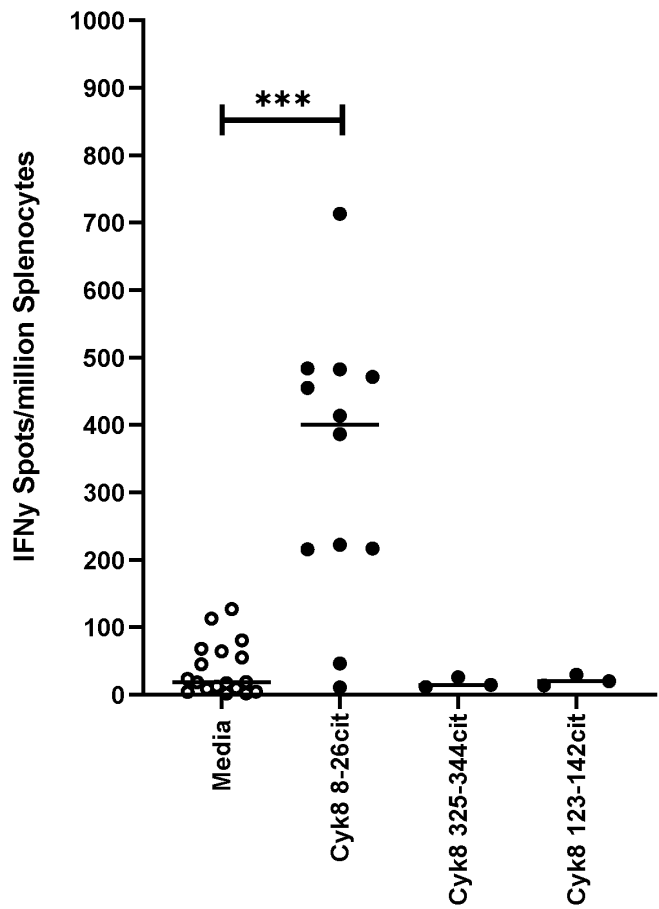


Figure 2 contd

C

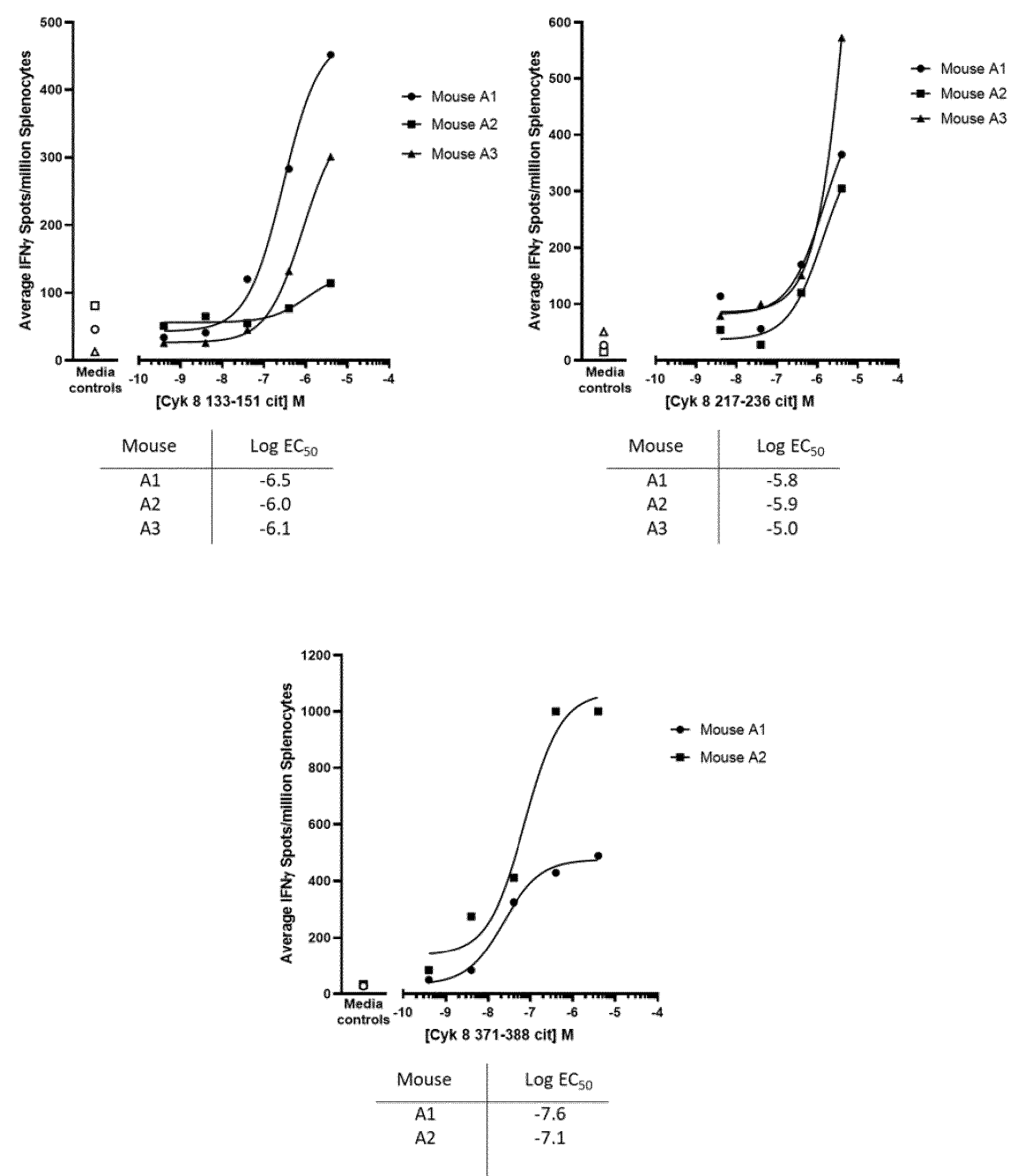


Figure 3

A HHDII/DP4 Cyk8 cit immunised mice

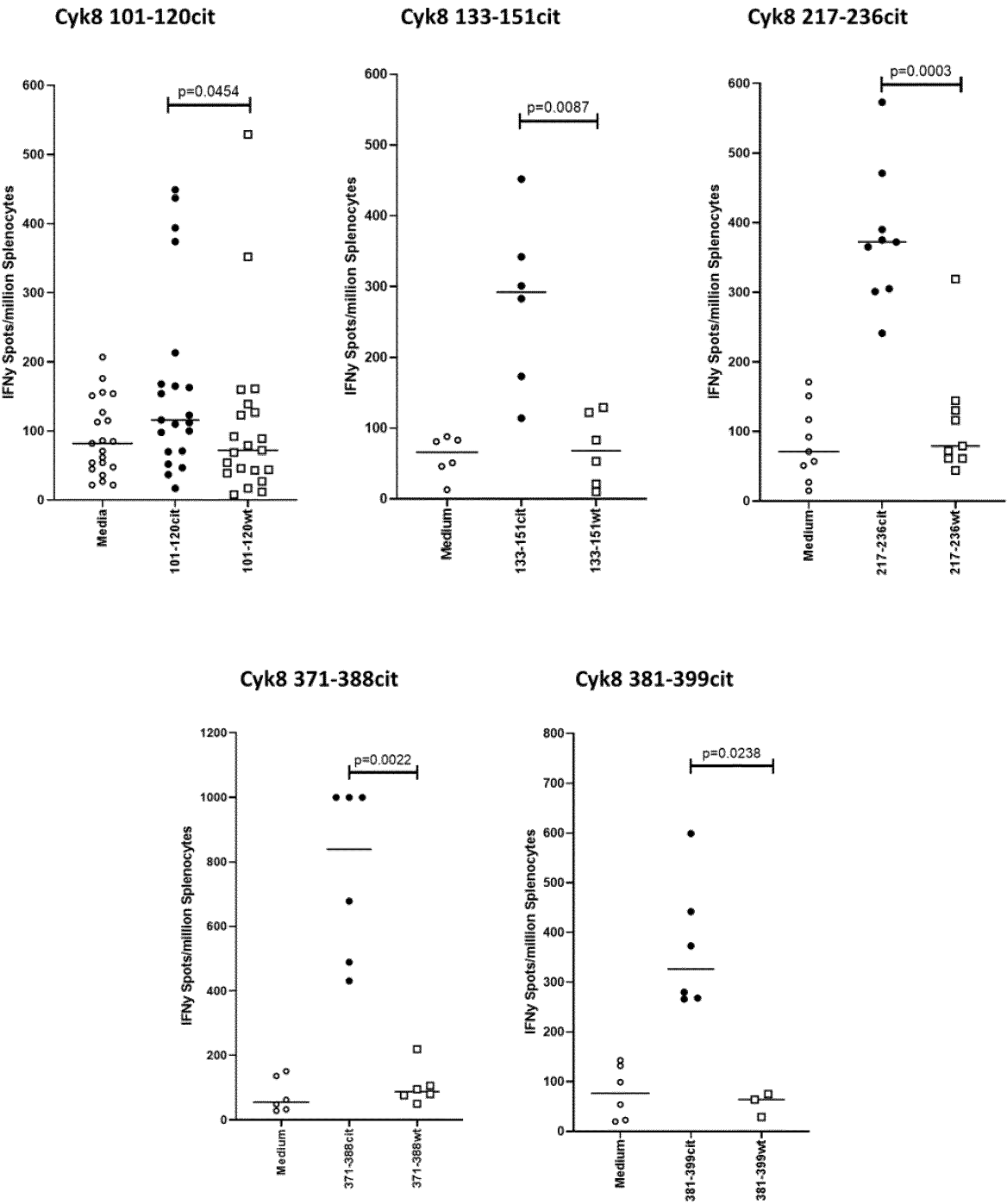


Figure 3 contd

B HHDII/DP4 Cyk8 wt immunised mice

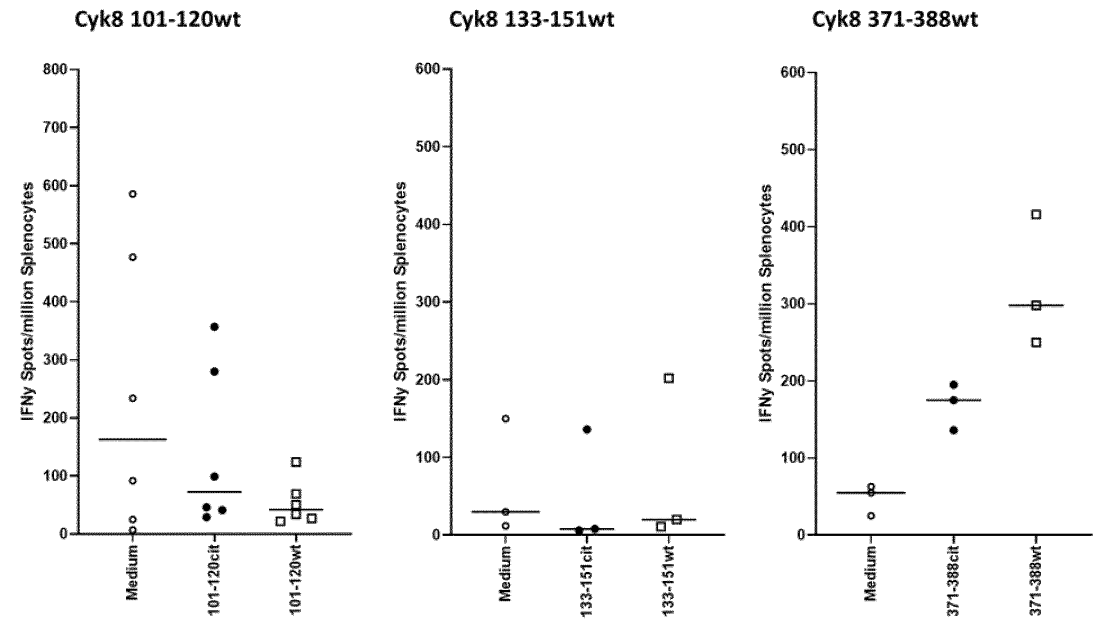


Figure 4

A

K2C8_HUMAN P05787 (1) MSIRVTQKSYKVSTSGPRAFSSRSYTTSGPGSRISSSSFSRVGS--SNFRGGLGG-----GYGGASGMG

K2C8_MOUSE P11679 (1) MSIRVTQKSYKMSTSGPRAFSSRSFTTSGPGARISSSSFSRVGSSSSSFRGSMGTGV--GLGGFGGAGVG

K2C8_HUMAN P05787 (62) GITAVTVNQSLLSPLVLEVDPNIQAVRTQEKEQIKTLNNKFASFIDKVRFLEQQNKMLETKWSLLQQQKT

K2C8_MOUSE P11679 (68) GITAVTVNQSLLSPLKLEVDPNIQAVRTQEKEQIKSLNNKFASFIDKVRFLEQQNKMLETKWSLLQQQKT

K2C8_HUMAN P05787 (132) ARSNMDNMFESYINNLRRLQLETLGQEKLKLEAELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVD

K2C8_MOUSE P11679 (138) SRSNMDNMFESYINNLRRLQLEALGQEKLKLEAELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVD

K2C8_HUMAN P05787 (202) EAYMNKVELESRLEGLTDEINFLRQLYEEEEIRELQSQISDTSVVLSMDNSRSLDMSIIAEVKAQYEDIA

K2C8_MOUSE P11679 (208) EAYMNKVELESRLEGLTDEINFLRQIHEEEEIRELQSQISDTSVVLSMDNSRSLDMDGIIAEVRAQYEDIA

K2C8_HUMAN P05787 (272) NRSRAEASMYQIKYEELQSLAGKHGDDLRLRTKTEISEMNRNISRQAIEIEGLKGQRASLEAAIADAEQR

K2C8_MOUSE P11679 (278) NRSRAEETMYQIKYEELQTLAGKHGDDLRLRTKTEISEMNRNINRLQAEIEALKGQRASLEAAIADAEQR

K2C8_HUMAN P05787 (342) GELAIKDANAKLSELEAALQRAKQDMARQLREYQELMNVKLALDIEIATYRKLLEGEESRLESGMQNMSI

K2C8_MOUSE P11679 (348) GEMAIKDAQTKLAELEAALQRAKQDMARQLREYQELMNVKLALDIEITTYRKLLEGEESRLESGMQNMSI

K2C8_HUMAN P05787 (412) HTKTTSGYAGGLSSAYGGLTSPGLSYSLG----SSFGSGAGSSSFSRTSSSRVVKKIETRDGKLVSES

K2C8_MOUSE P11679 (418) HTKTTSGYSGGLSSSYGGLTSPGFSYGMSS--FQPGFGSAGGSNTFSRT--TKAVVVKKIETRDGKLVSES

K2C8_HUMAN P05787 (478) SDVLPK (SEQ ID NO: 24)

K2C8_MOUSE P11679 (485) SDVVSK (SEQ ID NO: 26)

Non-homologous Cytokeratin 8 peptides:

Cyk8 8-26 peptide

Human: KSYKVSTSGPRAFSSRSYT (SEQ ID NO: 3)

Mouse: KSYKMSTSGPRAFSSRSFT (SEQ ID NO: 16)

Cyk8 217-236 peptide

Human: LTDEINFLRQLYEEEEIRELQ (SEQ ID NO: 6)

Mouse: LTDEINFLRQIEEEEIRELQ (SEQ ID NO: 37)

Cyk8 381-399 peptide

Human: KLALDIEIATYRKLLEGEE (SEQ ID NO: 4)

Mouse: KLALDIEITTYRKLLEGEE (SEQ ID NO: 38)

Figure 4 contd

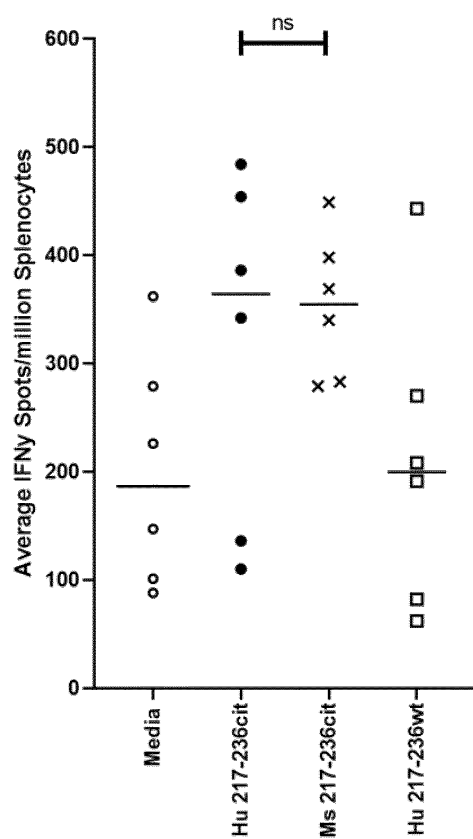
B Mouse Cyk8 217-236cit peptide

Figure 5

Protein	Peptide	Position	Homology
Cytokeratin 8	KFASFIDKVRFLEQQNKMLE (SEQ ID NO: 1)	101-120	Mismatch at position 18
Cytokeratin 2	KFASFIDKVRFLEQQNK <u>V</u> LE (SEQ ID NO: 7)	193-205	
Cytokeratin 8	KFASFIDKVRFLEQQNKMLE (SEQ ID NO: 1)	101-120	Mismatch at position 18
Cytokeratin 7	KFASFIDKVRFLEQQNK <u>L</u> LE (SEQ ID NO: 8)	101-120	
Cytokeratin 8	KLALDIEIATYRKLEGE (SEQ ID NO: 4)	381-399	Homologous
Cytokeratin 4	KLALDIEIATYRKLEGE (SEQ ID NO: 4)	429-447	
Cytokeratin 8	KLALDIEIATYRKLEGE (SEQ ID NO: 4)	381-399	Mismatch at position 2
Vimentin	K <u>M</u> ALDIEIATYRKLEGE (SEQ ID NO: 9)	390-408	
Cytokeratin 8	KLALDIEIATYRKLEGE (SEQ ID NO: 4)	381-399	Homologous
Glial fibrillary protein	KLALDIEIATYRKLEGE (SEQ ID NO: 4)	365-374	

Figure 6

A

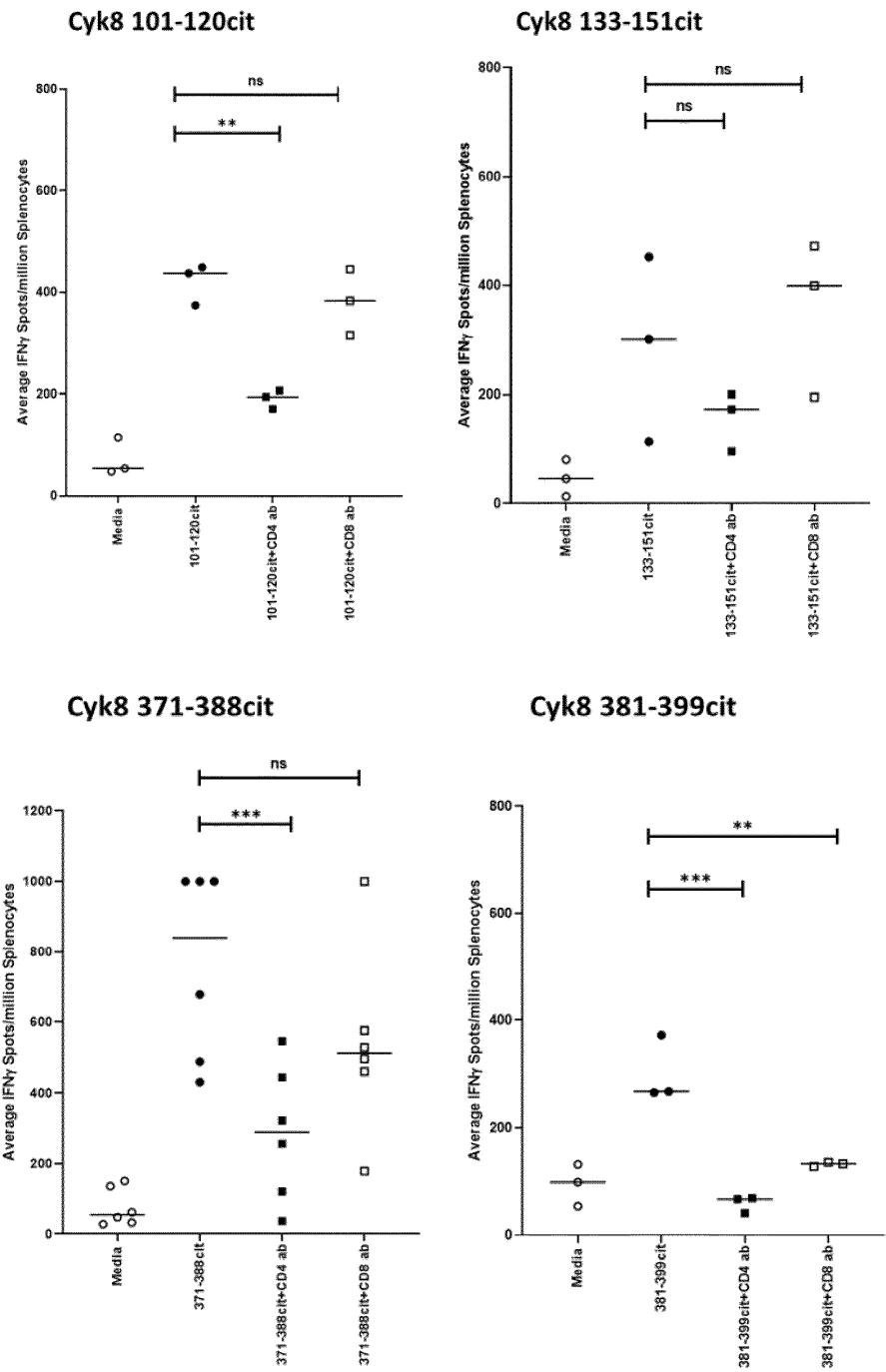


Figure 6 contd

B

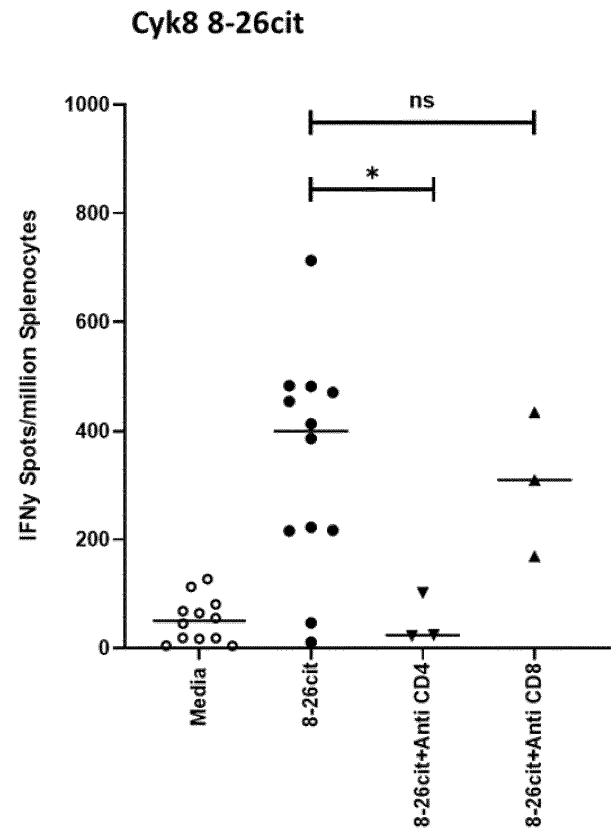


Figure 7

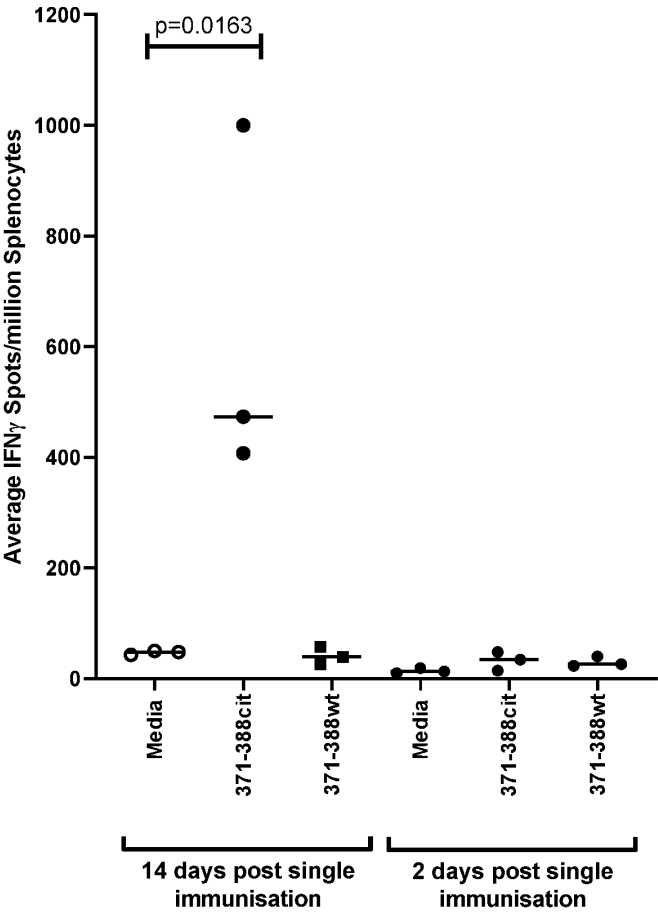
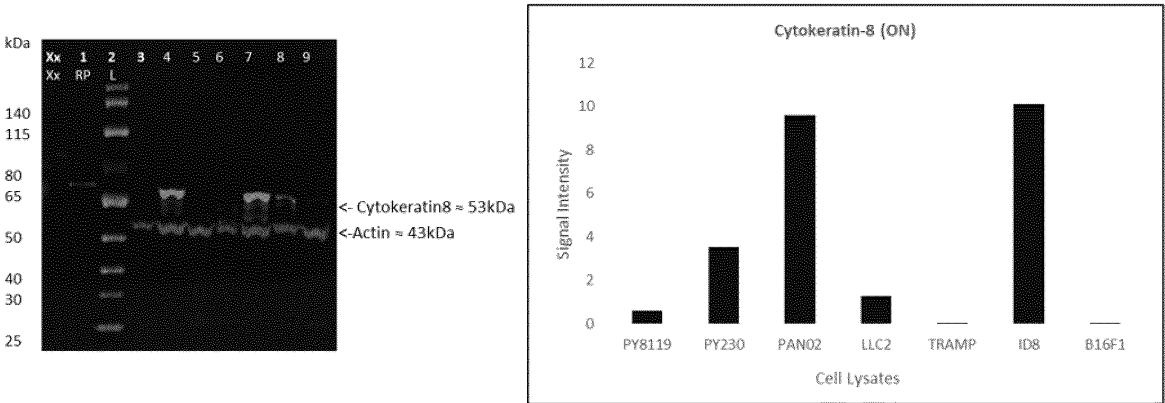
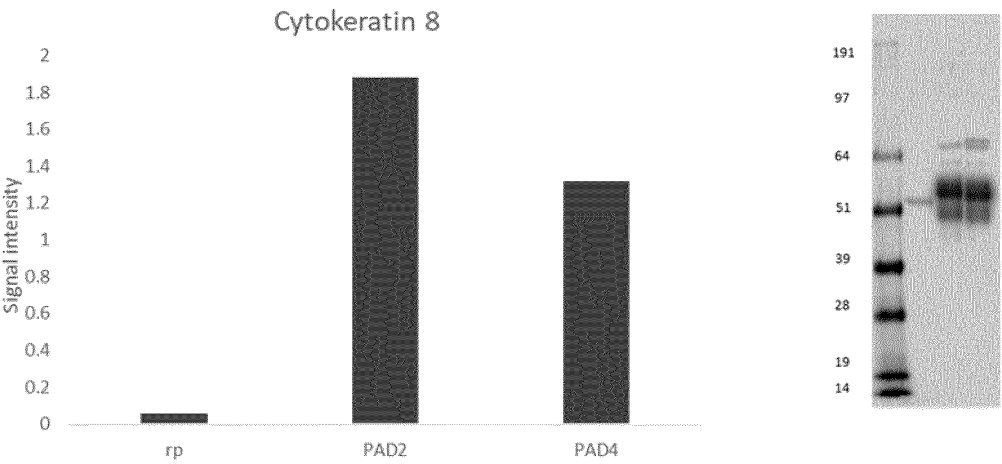


Figure 8

A



B



A

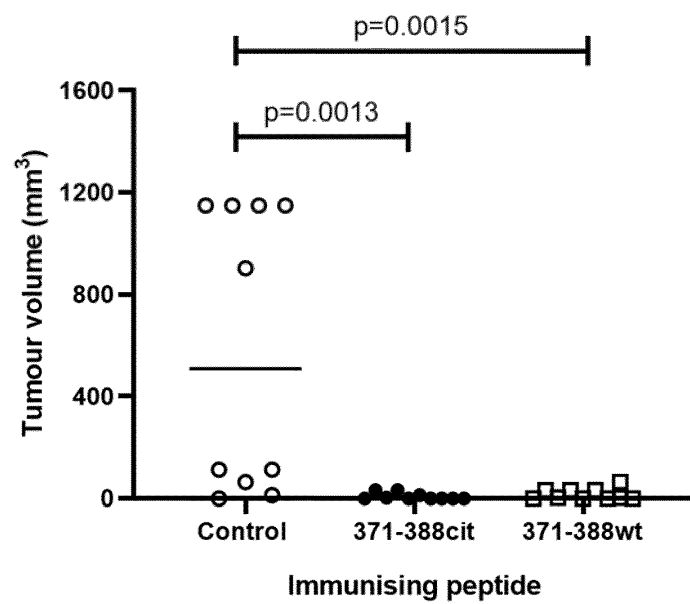


Figure 9 contd

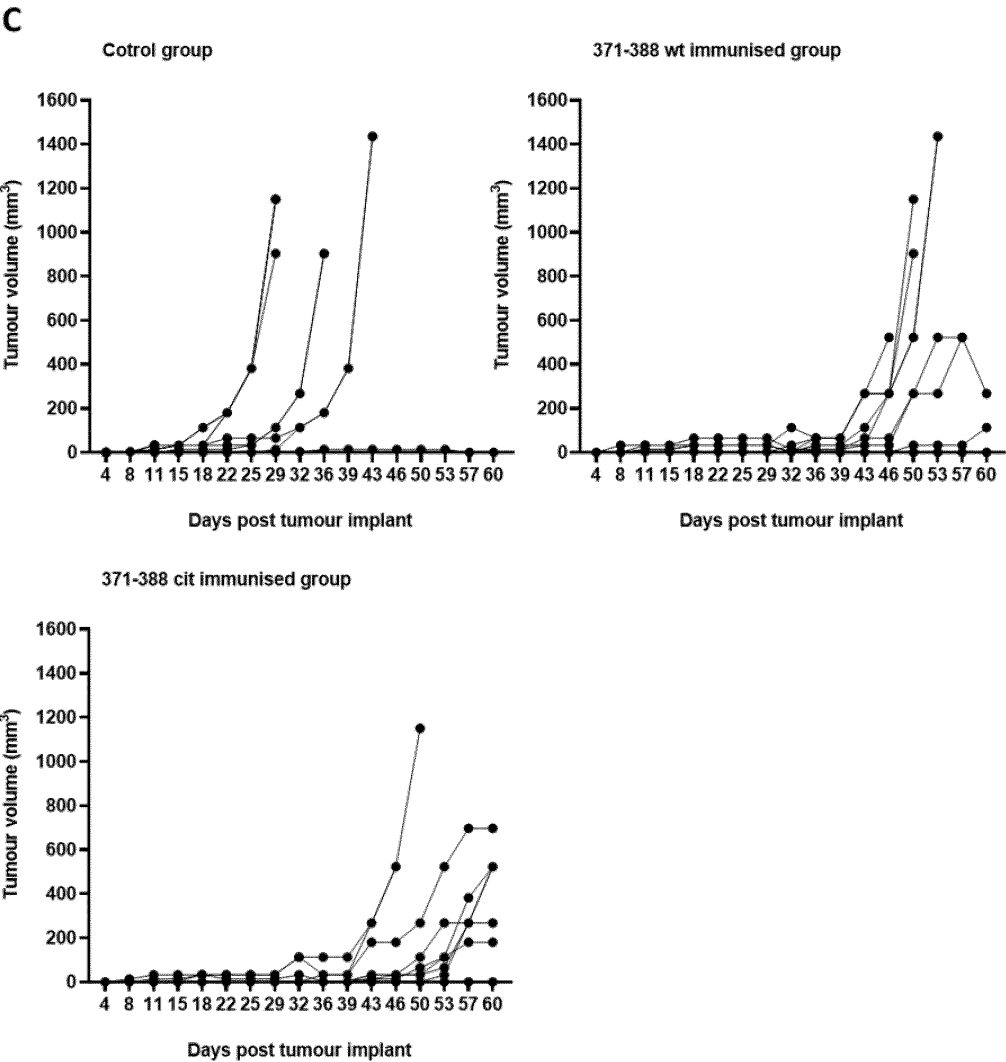


Figure 10 contd

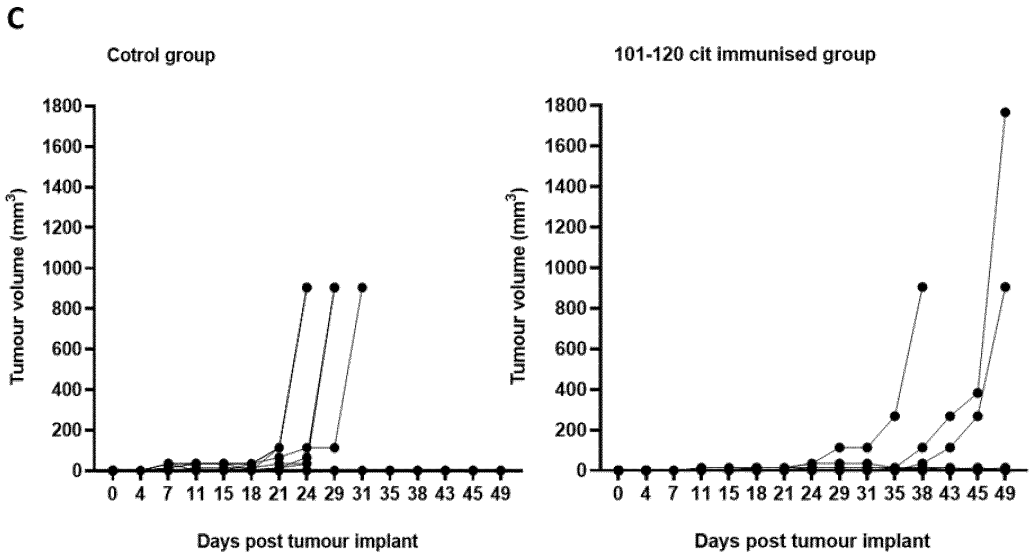


Figure 11

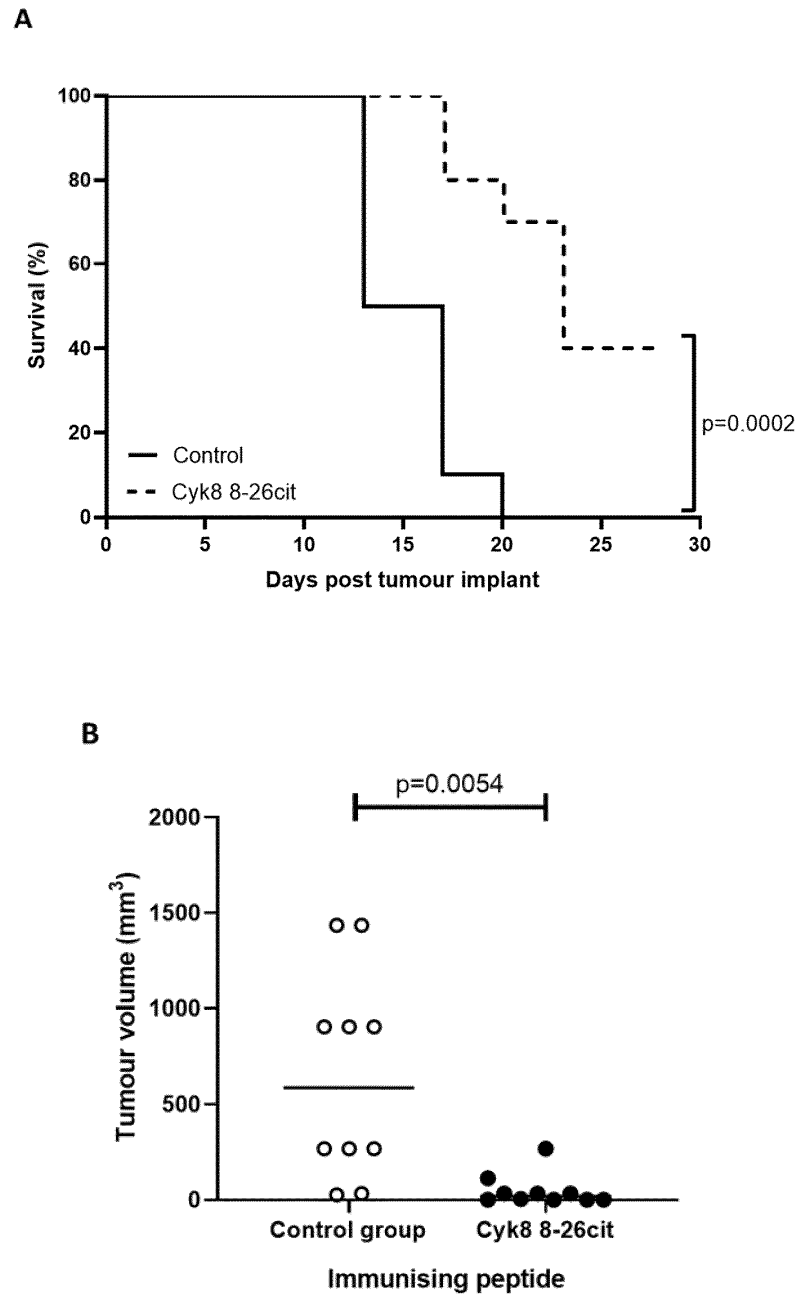


Figure 11 contd

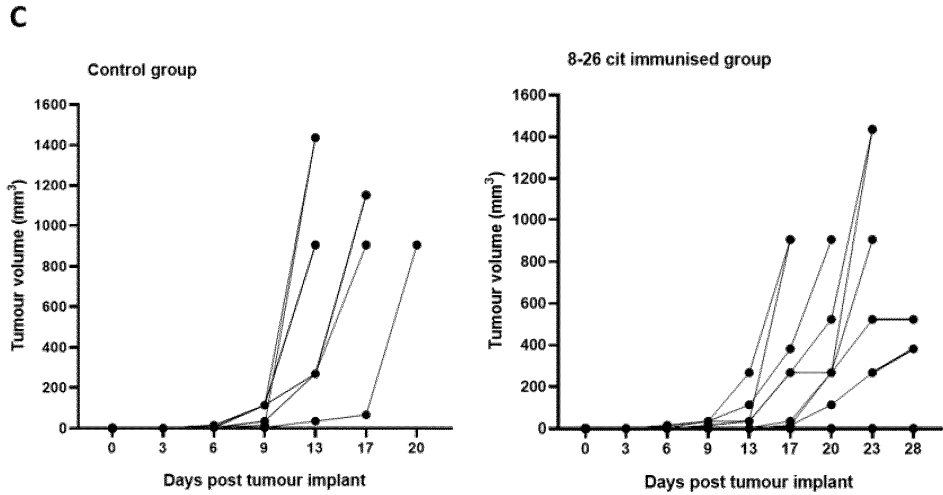
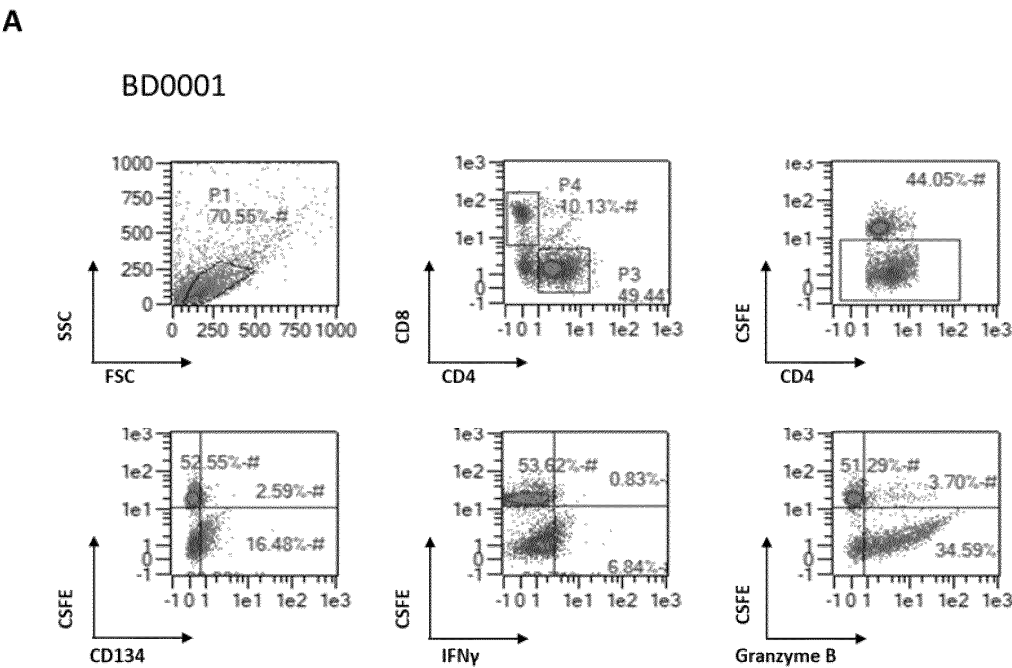


Figure 12



B

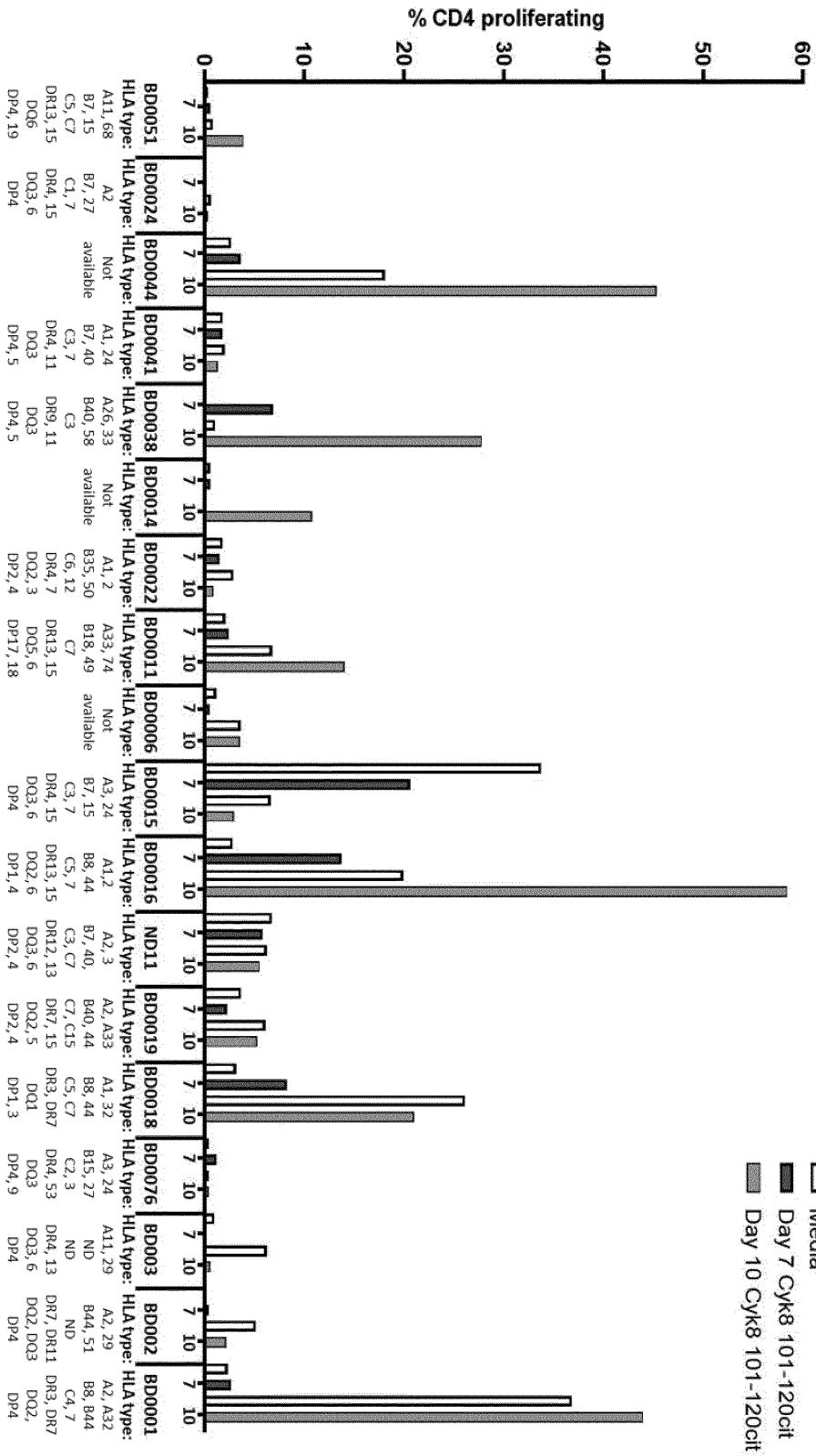


Figure 12 contd

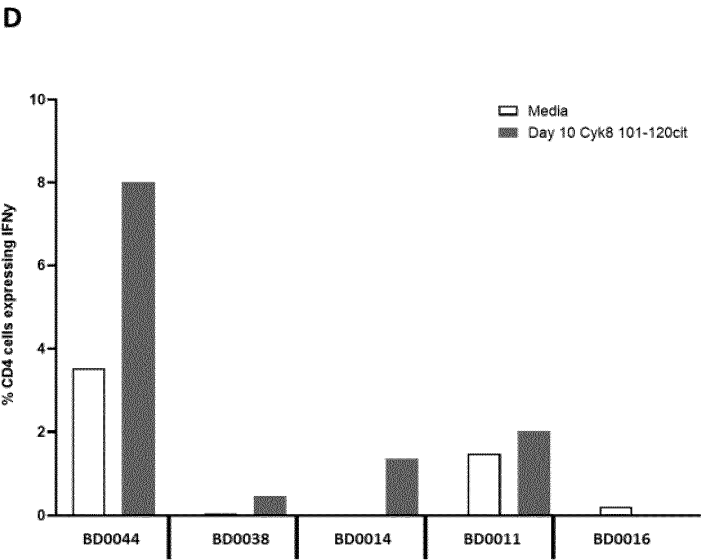
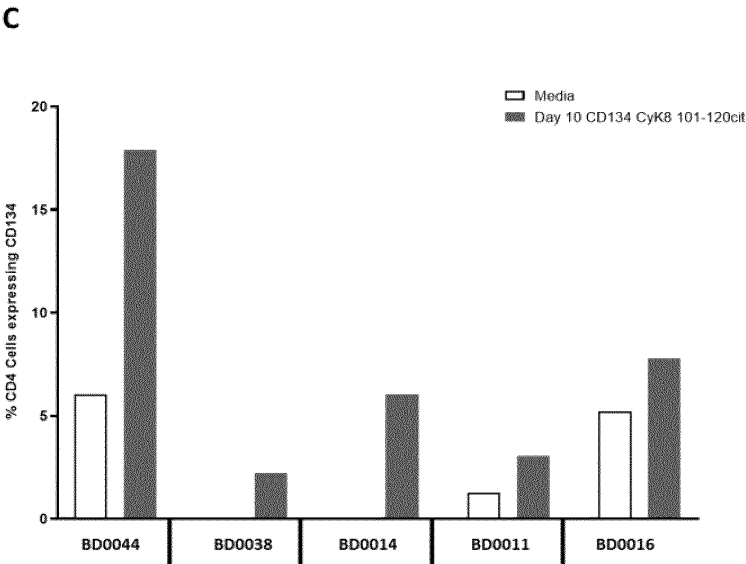


Figure 12 contd

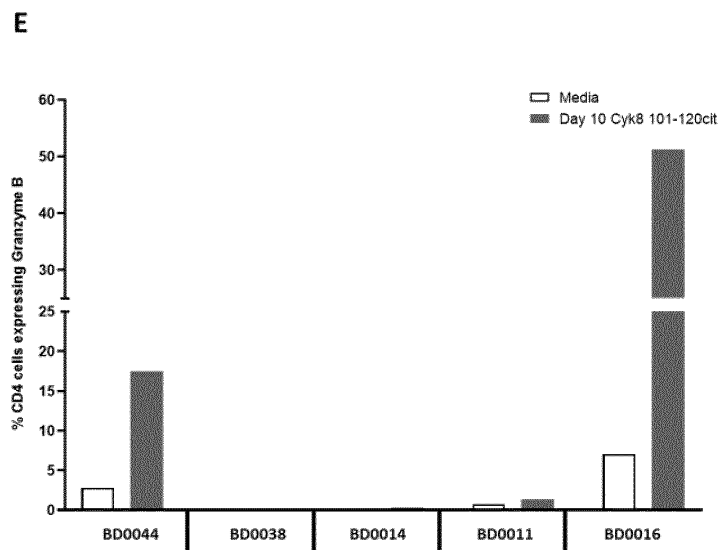


Figure 13

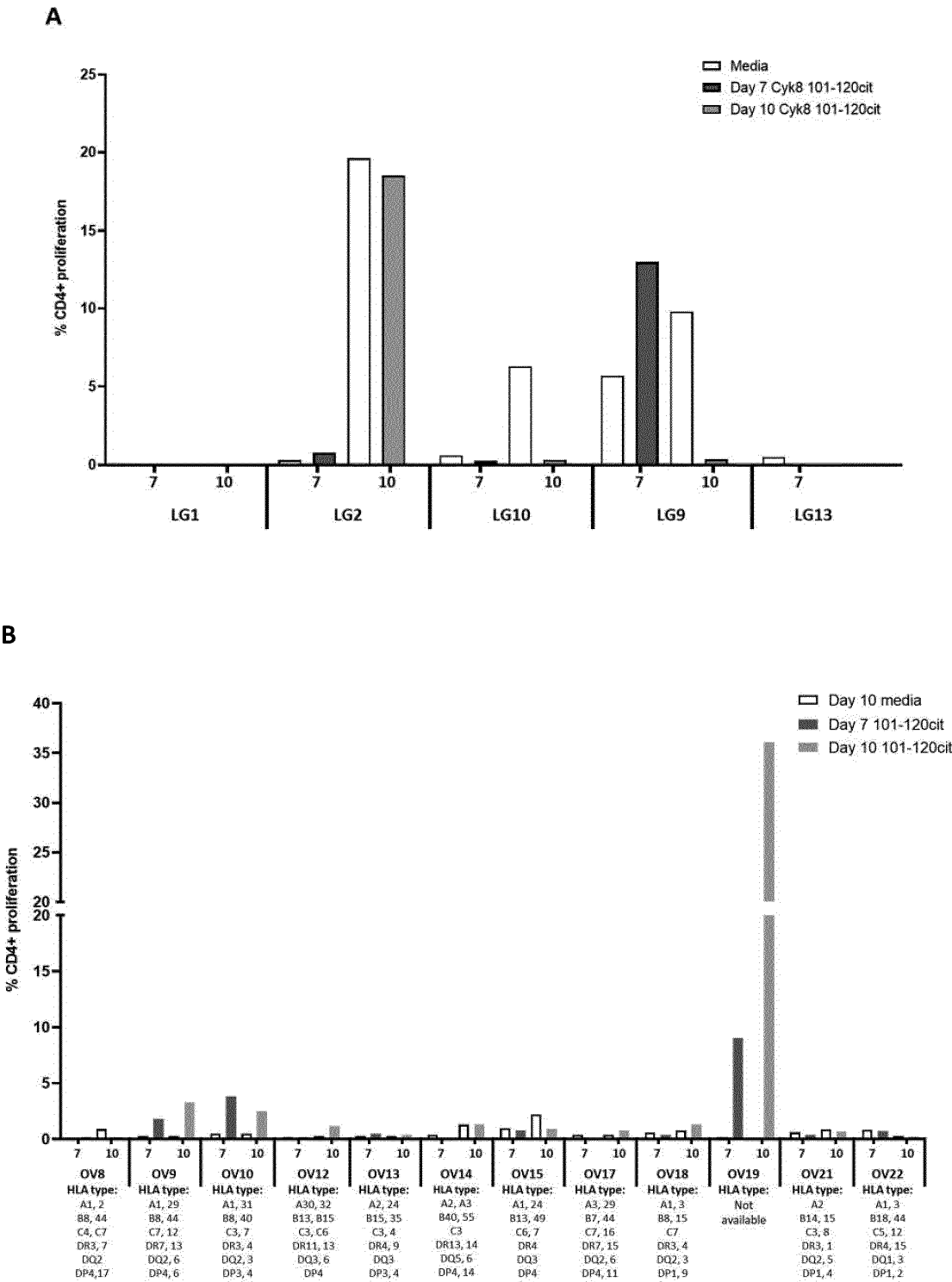
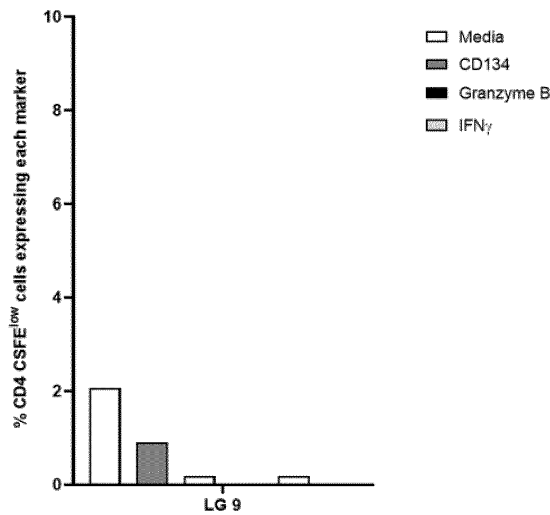


Figure 13 contd

C



D

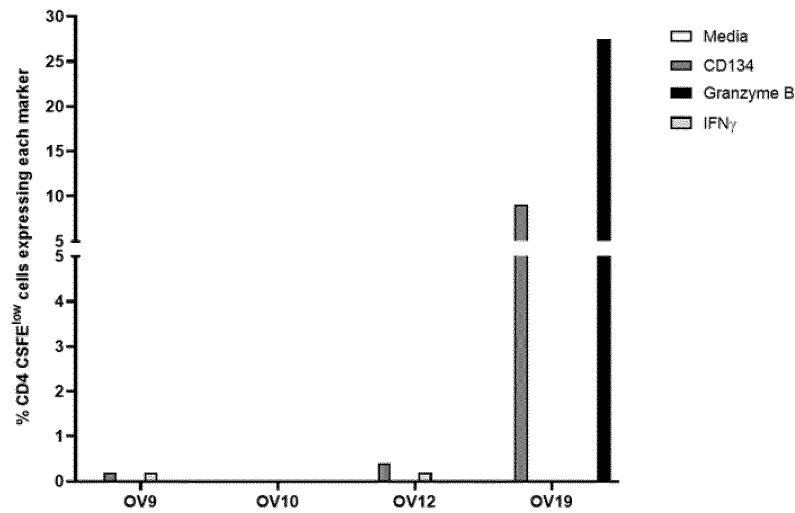
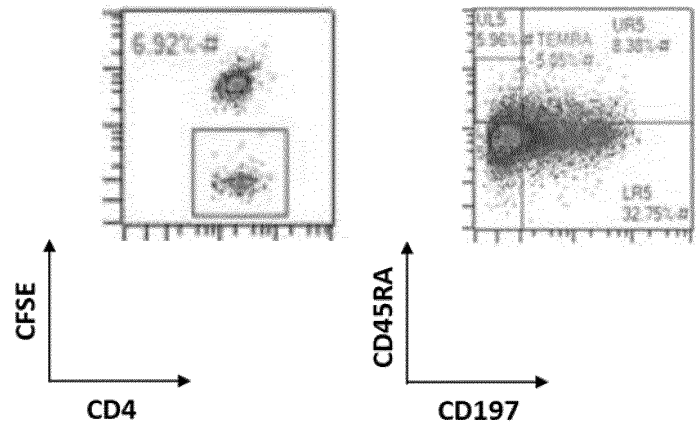


Figure 14

Donor: BD0038



TEMRA (5.96%)	Naïve (8.38)
Effector Memory (52.91)	Central Memory (32.75%)