Figure 1

SEQ ID NO:1

MPGGCSRGPAAGDGRLRLARLALVLLGWVSSSSPTSSASSFSSSAPFLASAVS
AQPPLPDQCPALCECSEAARTVKCVNRNLTEVPTDLPAYVRNLFLTGNQLAVL
PAGAFARRPPLAELAALNLSGSRLDEVRAGAFEHLPSLRQLDLSHNPLADLSP
FAFSGSNASVSAPSPLVELILNHIVPPEDERQNRSFEGMVVAALLAGRALQGL
RRLELASNHFLYLPRDVLAQLPSLRHLDLSNNSLVSLTYVSFRNLTHLESLHL
EDNALKVLHNGTLAELQGLPHIRVFLDNNPWVCDCHMADMVTWLKETEVVQGK
DRLTCAYPEKMRNRVLLELNSADLDCDPILPPSLQTSYVFLGIVLALIGAIFL
LVLYLNRKGIKKWMHNIRDACRDHMEGYHYRYEINADPRLTNLSSNSDV

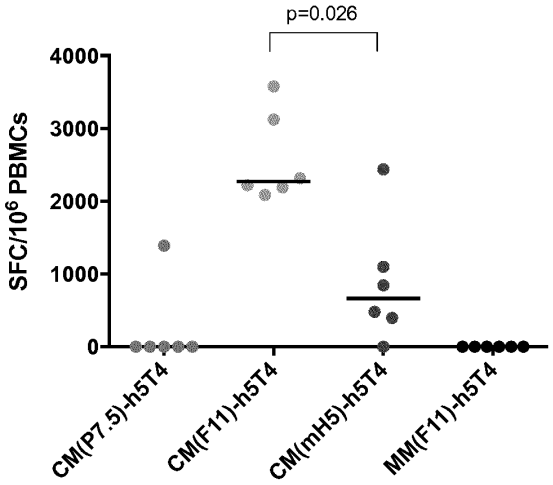
Figure 2

SEQ ID NO:2

ATGCCTGGCGGCTGTAGCAGAGGACCTGCTGCTGGCGACGGTAGACTGAGACT
GGCTAGACTGGCACTGGTGCTGCTTGGCTGGGTGTCCTCTAGCAGCCCTACAA
GCAGCGCCAGCTCCTTTAGCAGCAGCGCCCCTTTTCTGGCCTCTGCCGTTTCT
GCTCAACCTCCTCTGCCTGATCAGTGCCCTGCTCTGTGCGAGTGTTCTGAGGC
CGCCAGAACAGTGAAGTGCGTGAACAGAAACCTGACCGAGGTGCCCACAGACC
TGCCTGCCTACGTGCGGAATCTGTTCCTGACCGGAAATCAGCTGGCCGTGCTT
CCTGCTGGCGCCTTTGCTAGAAGGCCTCCACTGGCTGAACTGGCCGCTCTGAA
TCTGAGCGGCAGCAGACTGGATGAAGTTCGCGCTGGCGCTTTCGAGCATCTGC
CTTCTCTGAGACAGCTGGACCTGAGCCACAATCCTCTGGCCGATCTGAGCCCC
TTTGCCTTCAGCGGAAGCAACGCCTCTGTGTCTGCTCCATCTCCACTGGTCGA
GCTGATCCTGAACCACATCGTGCCTCCAGAGGACGAGCGGCAGAACAGATCCT
TTGAAGGCATGGTGGTGGCTGCCCTGCTTGCTGGTAGAGCACTGCAAGGACTG
CGGAGACTGGAACTGGCCAGCAACCACTTCCTGTACCTGCCTAGAGATGTGCT
GGCCCAGCTGCCTAGCCTGAGGCATCTGGATCTGTCCAACAACAGCCTGGTGT
CCCTGACCTACGTGTCCTTCCGGAATCTGACCCACCTGGAAAGCCTGCACCTG
GAAGATAACGCCCTGAAGGTGCTGCACAATGGCACCCTGGCAGAACTGCAGGG
CCTGCCTCACATCAGAGTGTTTCTGGACAACAACCCCTGGGTCTGCGACTGCC
ACATGGCCGATATGGTCACCTGGCTGAAAGAAACCGAGGTGGTGCAGGGCAAA
GACCGGCTGACATGTGCTTACCCCGAGAAGATGCGGAACCGGGTGCTGCTGGA
ACTGAACAGCGCCGACCTGGACTGCGATCCTATTCTGCCACCTAGCCTGCAGA
CCAGCTACGTGTTCCTGGGAATCGTGCTGGCTCTGATCGGCGCCATCTTTCTG
CTGGTGCTGTACCTGAACCGGAAGGGCATCAAGAAATGGATGCACAACATCCG
GGACGCCTGCCGGGATCACATGGAAGGCTACCACTACAGATACGAGATCAACG
CCGATCCTCGGCTGACCAACCTGAGCAGCAATAGCGACGTGTGATGA

Figure 3

A Ex vivo IFNγ ELISPOT, blood



B Ex vivo IFNγ ELISPOT, spleen

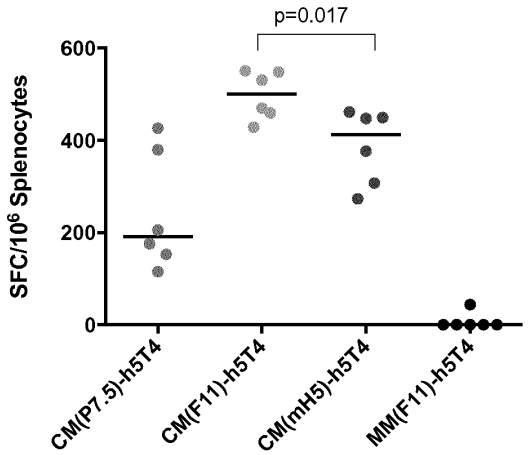
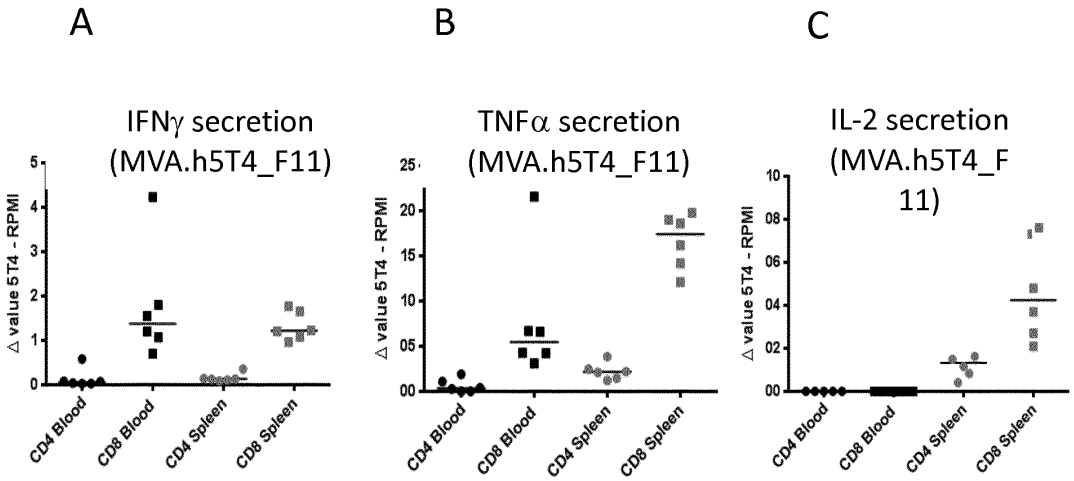


Figure 4


A
IFNγ secretion
(MVA.h5T4_F11)
Δ value 5T4 - RPMI
CD4 Blood
CD8 Blood
CD4 Spleen
CD8 Spleen
B
TNFα secretion
(MVA.h5T4_F11)
C
IL-2 secretion
(MVA.h5T4_F
11)