

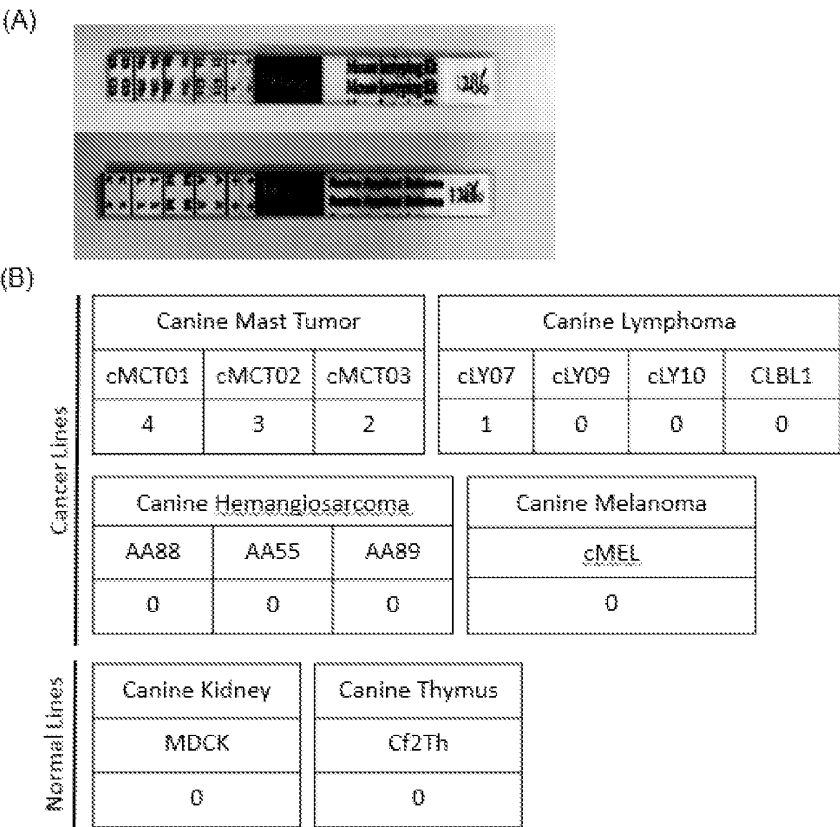
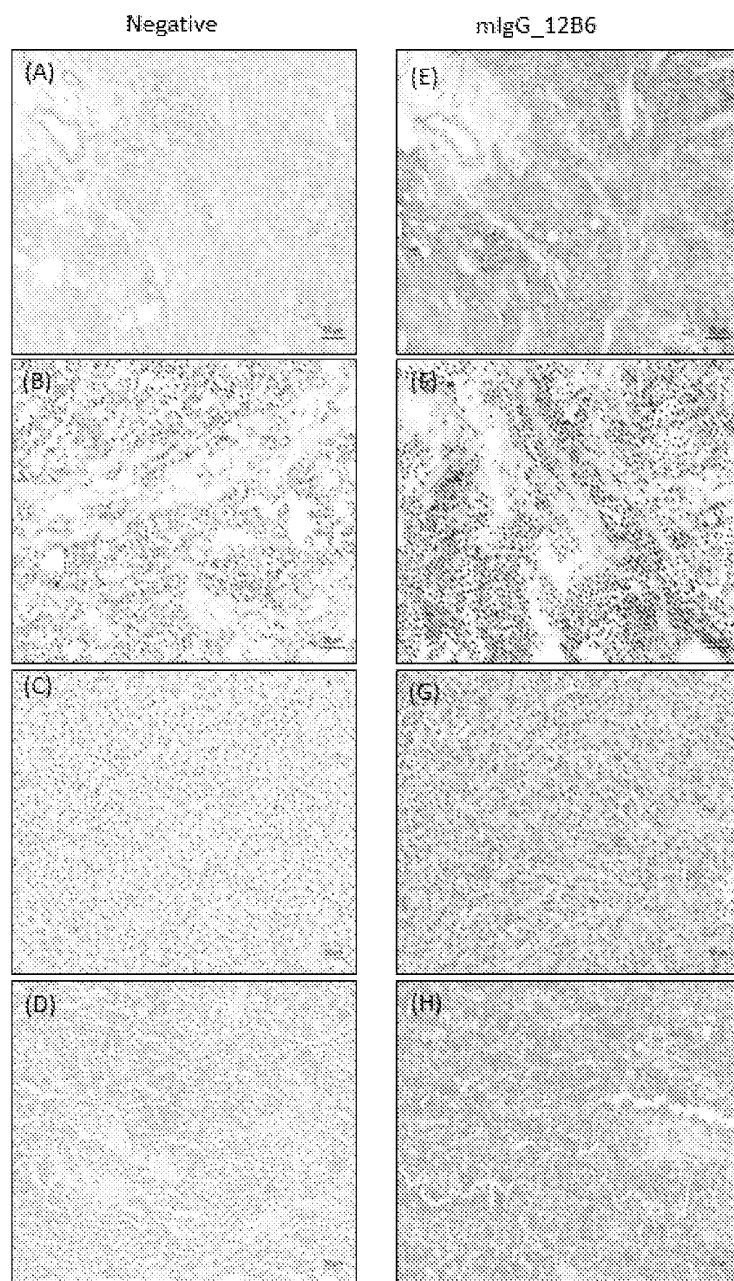
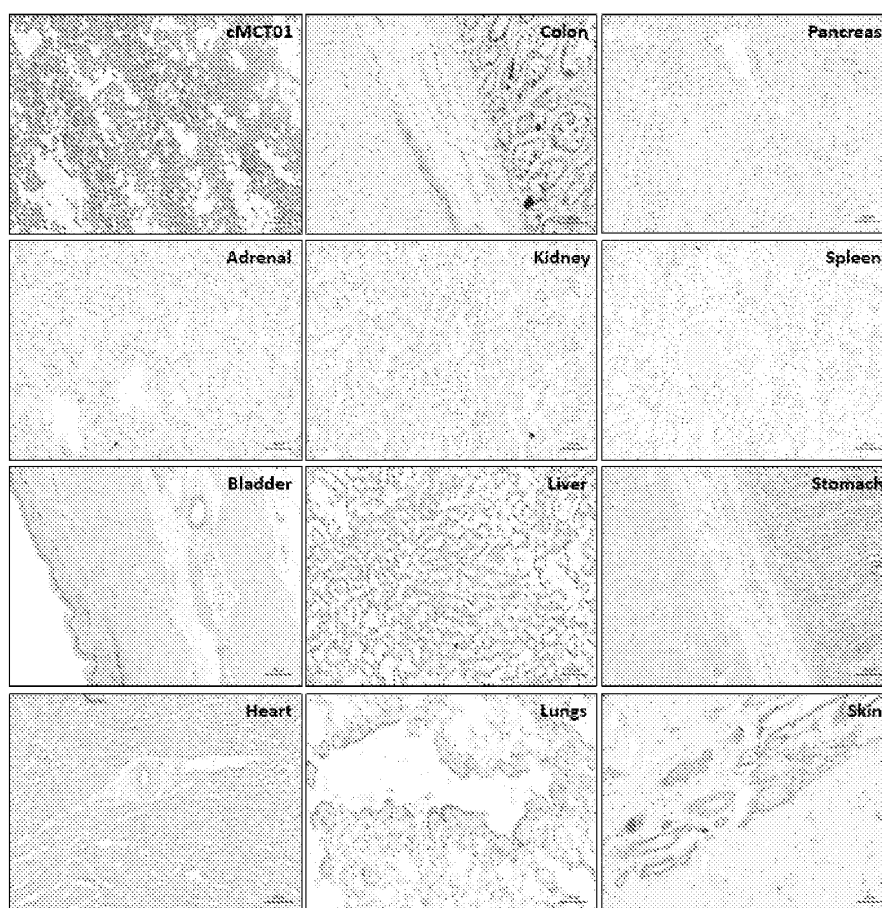
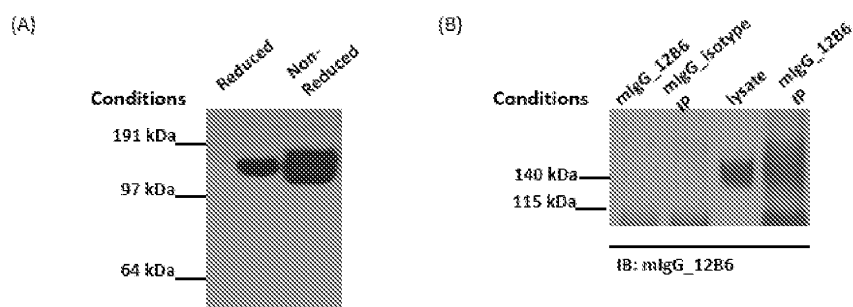


Figure 1

**Figure 2**

**Figure 3**



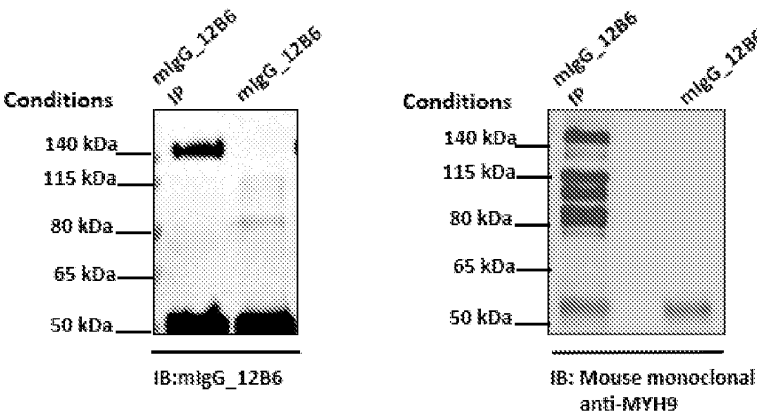
(C) **Myosin-9 protein sequence – *Canis lupus familiaris***

[illegible]

SEQ ID NO: 11

Figure 4

(A)



(B)

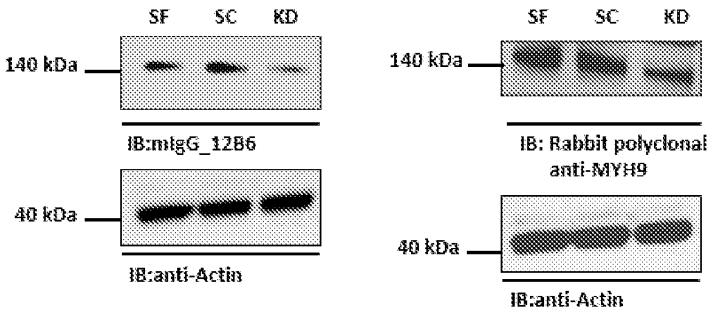
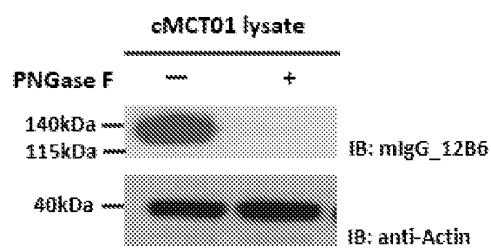


Figure 5

(A)



(B)

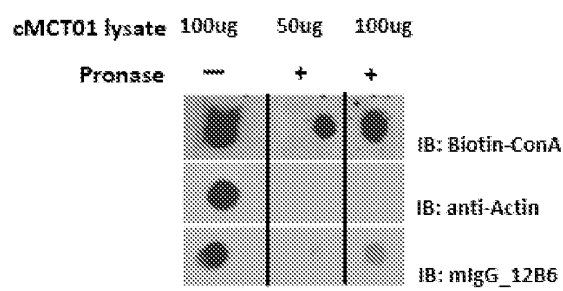


Figure 6

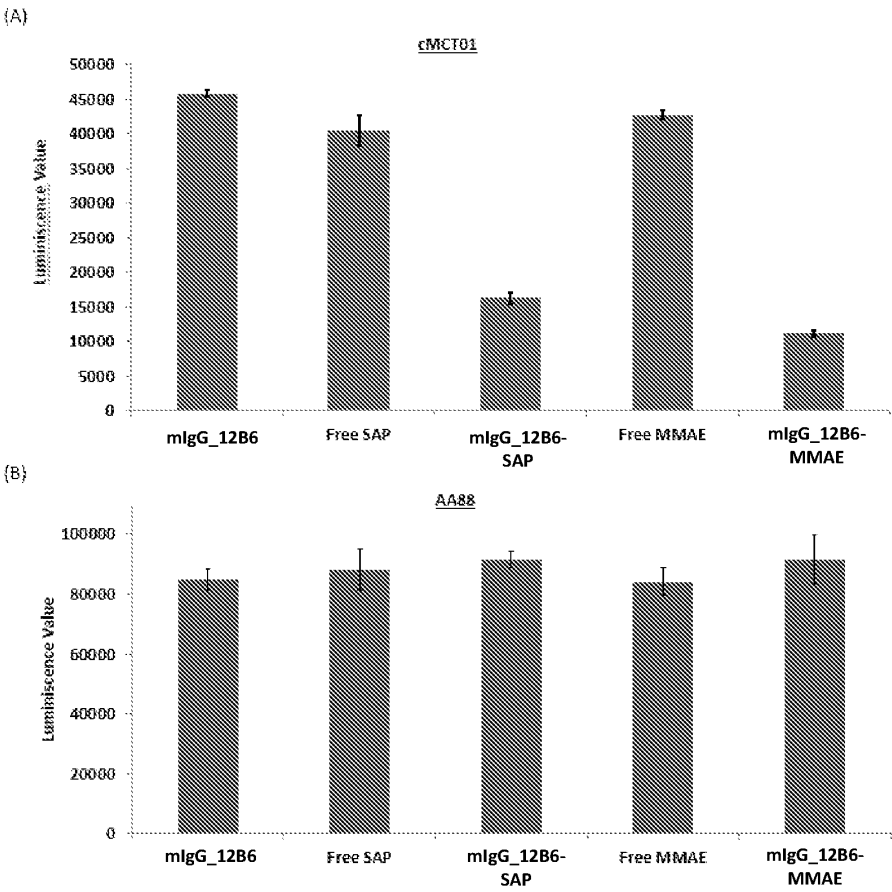
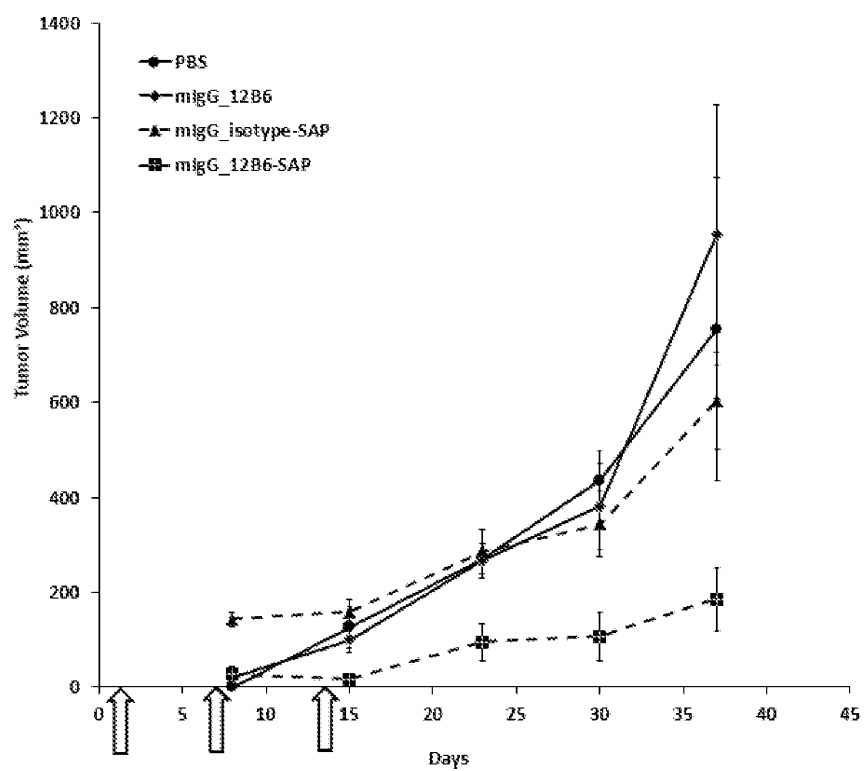


Figure 7

**Figure 8**

(A)

Nucleotide Sequence of mlgG_12B6 (Heavy Variable)

CAGGTCAAGC TGCAGGAGTC AGGACCTGDC CTGGTGAAAC CTTCTCAGTC
TCTGTCCCTC
ACCTGCACTG TCACTGGCTA CTCAATCAGC AGTGATTATG CCGGGAACG GATCCGGCAG
TTTCCAGGAA ACAAACTGGA GTGGATGGGC TACATAAGCT ACAGTGGTAG CACTAACTAC
AACCCATCTC TCAAAAGTCG AATCTCTATC ACTCGAGACA CATCCAAGAA CCAGTTCTTC
CTGCAGTTGA ATTCTGTGAC TACTGAGGAC ACAGCCACAT ATTACTGTGG AAGGAACCCG
CCGTTTGTTT ACTGGGGCCA AGGGACCACG GTCACCGTCT CCTCA SEQ ID NO: 12

Nucleotide Sequence of mlgG_12B6 (Light Variable)

CAAATTGTTT TCACCCAGTC TCCAGCAATC ATGTCTGCAT CTCTAGGGGA ACGGGTCACC
ATGACCTGCA CTGCCAGCTC AGGTGTAAGT TCCGGTTACT TGCACTGGTA CCAGCAGAAG
CCAGGATCCT CCCCCAACT CTGGATTAT AGCACATCCA ACCTGGCTTC TGGAGTCCCA
GCTCGCTTCA GTGGCAGTGG GTCTGGGACC TCTTACTCTC TCACAATCAG CAGCATGGAG
GCTGAAGATG CTGCCACTTA TTACTGCCAC CAGTATCATC GTTCCCCATT CACGTTGGGC
TCGGGGACAA AGTTGGAAAT AGAACGGGCT GATGCTGCAC CAACTGTATC SEQ ID NO: 13

(B)

Amino Acid Sequence of mlgG_12B6 (Heavy Variable)

QVQLQESGPGLVKPSGSLSTCTVTGYS/TSDYAMWNLRGFPQNKLEWMQYISYSGSTNYN
ESLKRISITRDTSKNQFFLGLNSVTEDTATYYCAR/NPEFVYWGQGLTVTVST SEQ ID NO: 7

Amino Acid Sequence of mlgG_12B6 (Light Variable)

QIVLTQSPAIMSASLGERVTMTCIASSSGVSSGYLHWYQQKPGSSPKLWIYSTSLASGVF
ARFSGSGSGTSYSLTISMEAEADAATYYCHQYHRSPTTFQSGTKLEIERADAAPTYS SEQ ID NO: 8

Figure 9

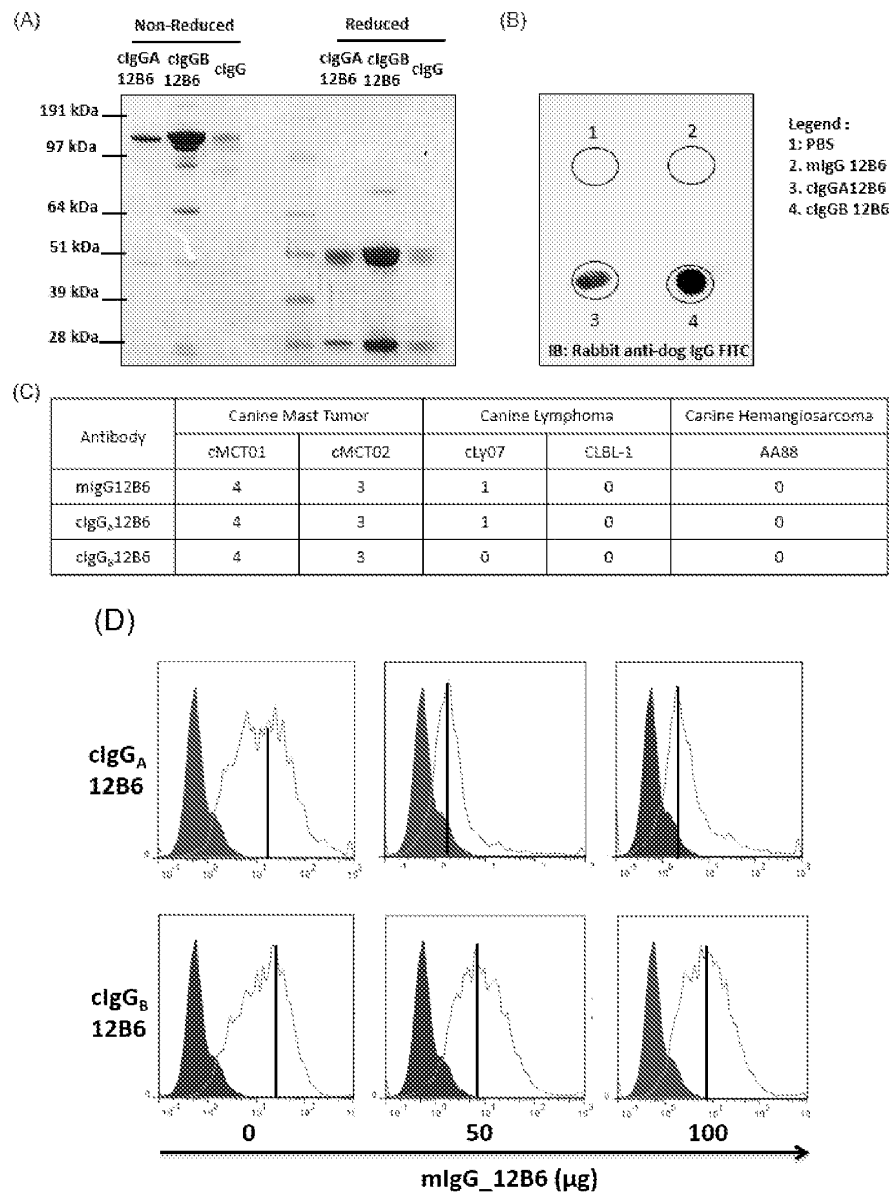


Figure 10

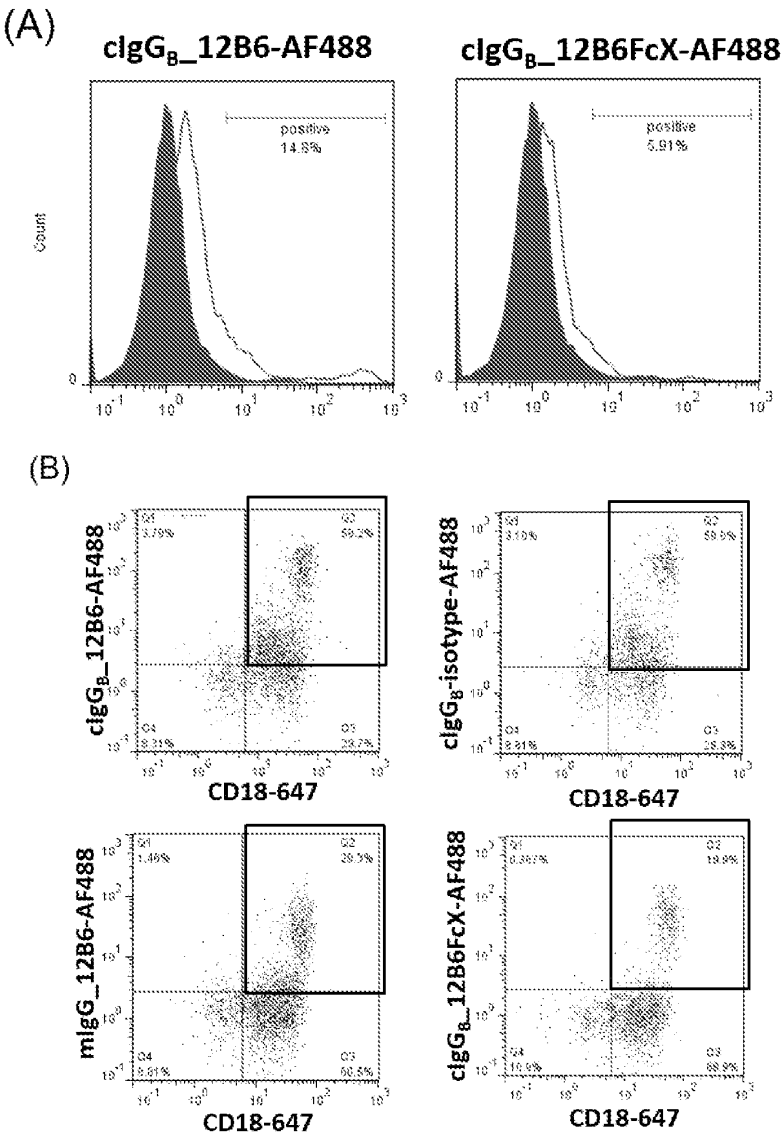


Figure 11

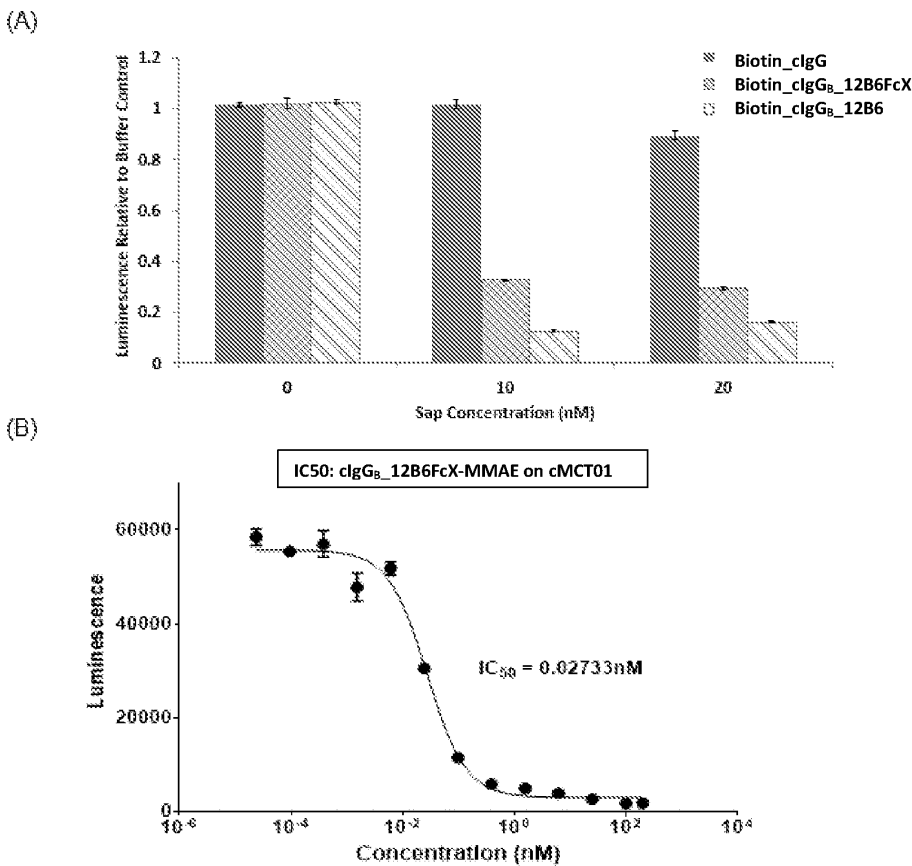


Figure 12

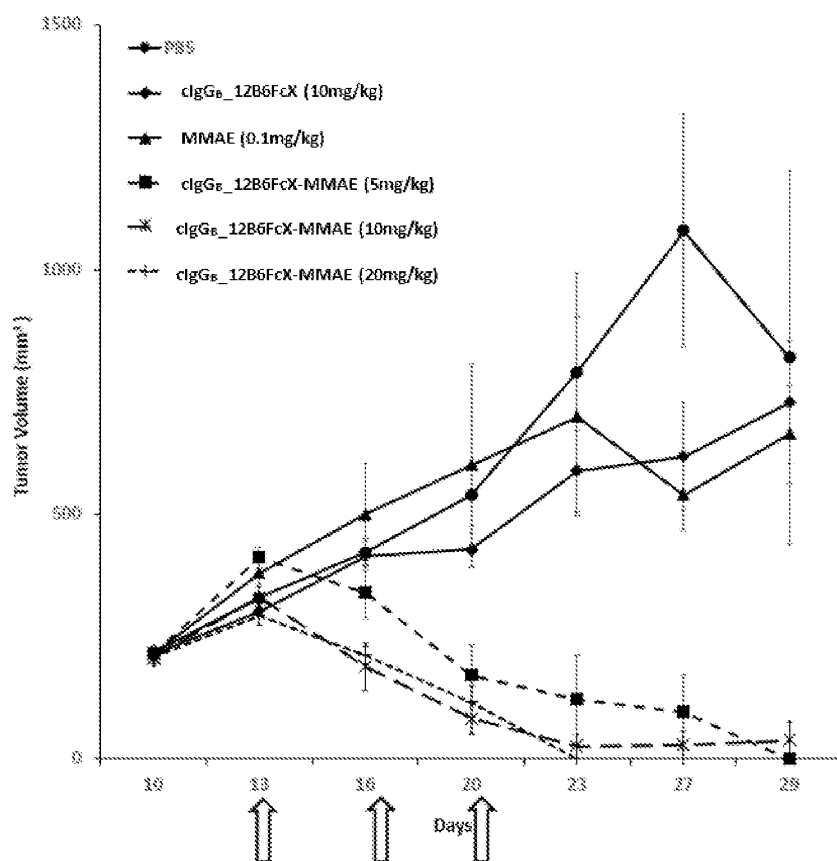


Figure 13

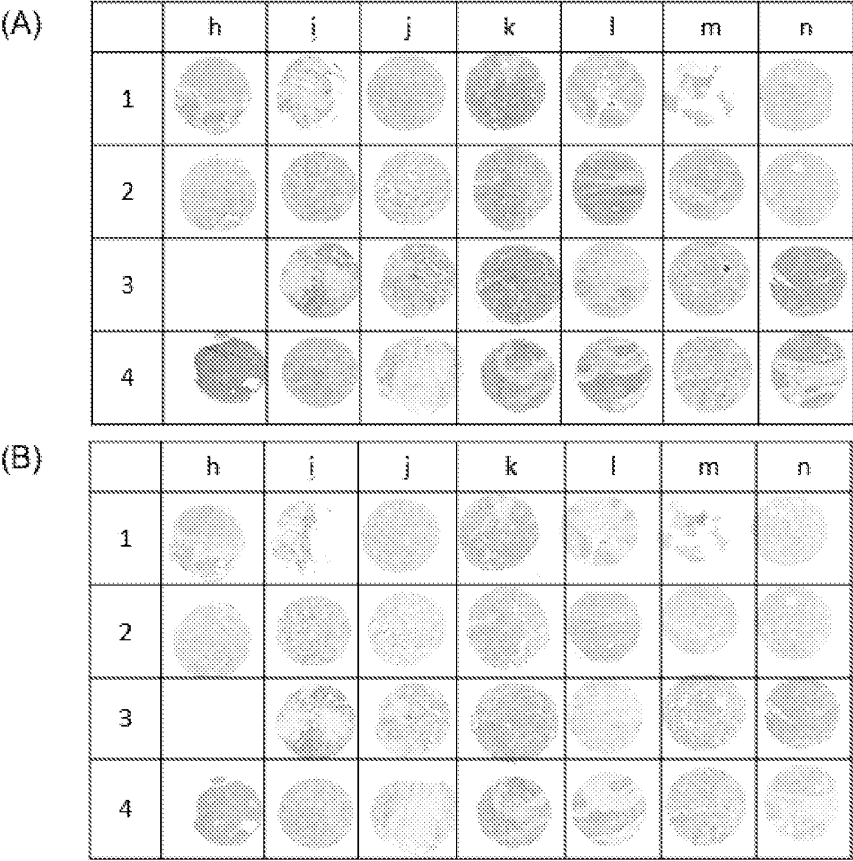


Figure 14(A)-(B) (continued)

(C)

Array Block - Quadrant 3 (Epithelial tumors)							
	h	i	j	k	l	m	n
1	Mammary Adenoma	Mammary Carcinoma (grade 1)	Mammary Carcinoma (grade 2)	Mammary Carcinoma (grade 3)	Squamous cell carcinoma	Hepatocellular carcinoma	Thyroid follicular carcinoma
2	Canine Mammary Adenoma	Mammary Carcinoma (grade 1)	Mammary Carcinoma (grade 2)	Mammary Carcinoma (grade 3)	Squamous cell carcinoma	Hepatocellular carcinoma	Thyroid follicular carcinoma
3	Feline Mammary Adenoma	Feline Mammary Carcinoma (grade 1)	Feline Mammary Carcinoma (grade 2)	Feline Mammary Carcinoma (grade 3)	Squamous cell carcinoma	Pulmonary carcinoma	Urothelial carcinoma
4	Feline Mammary Adenoma	Feline Mammary Carcinoma (grade 1)	Feline Mammary Carcinoma (grade 2)	Feline Mammary Carcinoma (grade 3)	Squamous cell carcinoma	Pulmonary carcinoma	Urothelial carcinoma

Figure 14(C) (end)

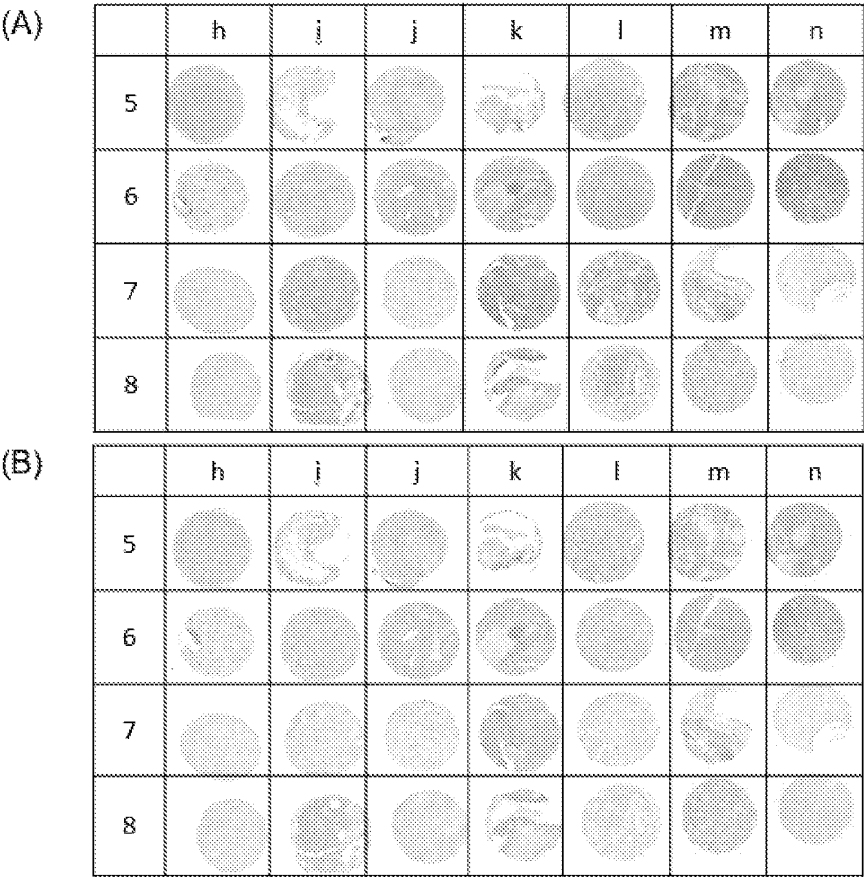


Figure 15(A)-(B) (continued)

(C)

Array Block – Quadrant 4 (Mesenchymal and reproductive tumors)							
	h	i	j	k	l	m	n
5	Soft tissue sarcoma (grade 1)	Soft tissue sarcoma (grade 2)	Soft tissue sarcoma (grade 3)	Hemangiosarcoma	Histiocytic sarcoma	Seminoma	Dysgerminoma
6	Soft tissue sarcoma (grade 1)	Soft tissue sarcoma (grade 2)	Soft tissue sarcoma (grade 3)	Hemangiosarcoma	Histiocytic sarcoma	Seminoma	Ovarian adenoma
7	Soft tissue sarcoma (grade 1)	Soft tissue sarcoma (grade 2)	Soft tissue sarcoma (grade 3)	Hemangiosarcoma (metastasis)	Leydig cell tumor	Sertoli cell tumor	Osteosarcoma
8	Soft tissue sarcoma (grade 1)	Soft tissue sarcoma (grade 2)	Soft tissue sarcoma (grade 3)	Hemangiosarcoma (metastasis)	Leydig cell tumor	Sertoli cell tumor	Osteosarcoma

Figure 15(C) (end)

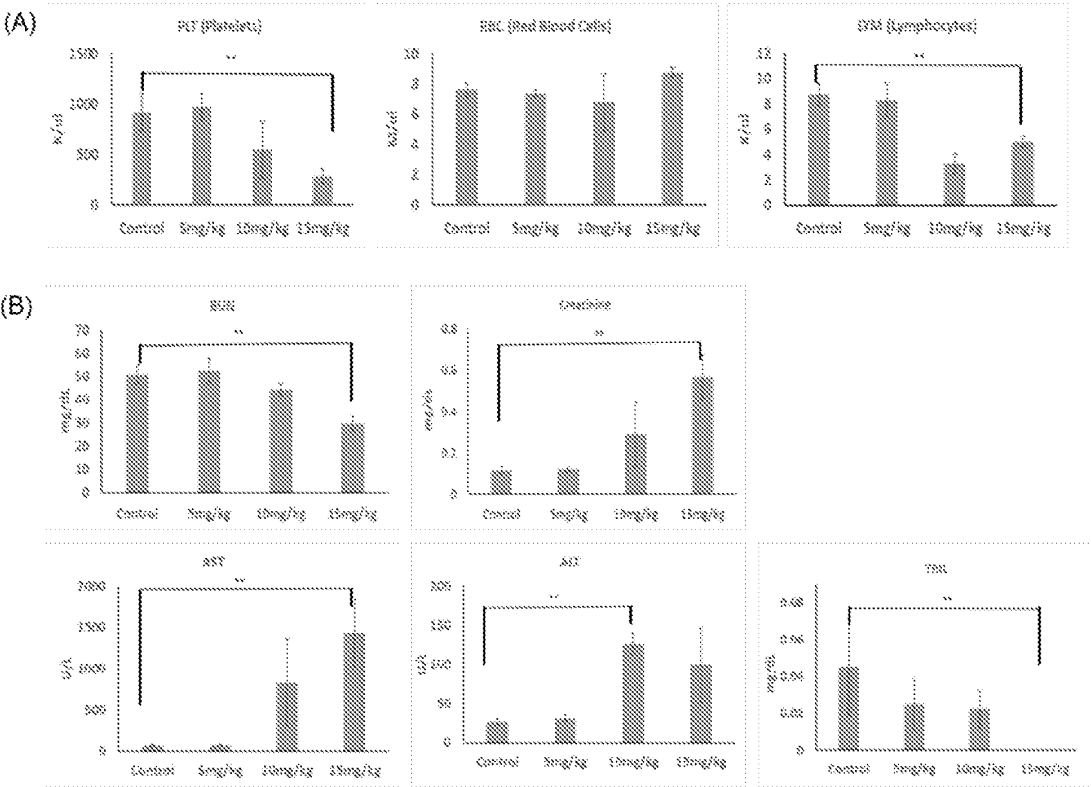


Figure 16(A)-(B) (continued)

Histopathological Observations	Control	5mg/kg	10mg/kg	15mg/kg
Liver				
Hypertrophy, hepatocellular	0/4	0/4	1/4	1/4
Necrosis	1/4	0/4	0/4	2/4
Thymus				
Corticomedullary, increased/decreased	0/4	1/4	1/4	1/4
Atrophy	0/4	0/4	2/4	0/4
Spleen				
Cellularity, white pulp, decreased	0/4	3/4	0/4	2/4
Kidneys				
Single cells necrosis, renal tubules	0/4	1/4	1/4	0/4

Figure 16(C) (end)