[Table 3]

Sample	Frequency (%)	Staining intensity	Stroma staining	Histological type
FR0001D4BA	0	0		B
FR00020029	30	2		B
FR0002081F	0	0		Meso
FR000265FD	0	0		Meso
FR0002731F	30	3		Meso
FR00026B23	0	0		B
FR000265A2	0	0		B
FR0002939E	80	2		B
FR00035469	30	1	Strong	Meso
FR000011E5	0	0		Meso
FR00002E6B	0	0	Medium	Desmoplastic
FR00006328	50	3		Meso
FR00006A38	0	0		Meso
FR00018ABD	100	2	Strong	Desmoplastic
FR00016972	0	0		Desmoplastic
SX00002843	90	1	Strong	E
FR00005932	10	1	Strong	Meso
FR00004AF8	40	3	Strong	B
FR00005E39	80	3		Desmoplastic
FR00017430	100	3		Meso
FR0001A6C1	100	1	Strong	B + Desmoplastic
FR0001CA2A	100	3		NR
FR0001742F	50	3		Meso
FR000265FE	20	2		Meso
FR000293A0	0	0		B
FR00002E64	0	0		E
Positive control				
MSTO-211H	90	3		

Note) Histological type: B, biphasic; E, epithelial; Meso, mesothelial tumor with no subtype; Desmoplastic, fibrous; NR, unreported

[0137]

As a result, GM2 expression in tumor cells was confirmed in 15 of the 26 samples in an intensity range of 1 to 3. The same or higher reactivity was confirmed in 7 samples (27%) compared to the tumor tissue slices originating from the human malignant mesothelioma cell line MSTO-211H orthotopic graft mouse used as positive control.

These results demonstrated high ganglioside GM2 expression in human clinical malignant mesothelioma.

[0138]

SEQ ID NO: 1: amino acid sequence of HCDR1
SEQ ID NO: 2: amino acid sequence of HCDR2
SEQ ID NO: 3: amino acid sequence of HCDR3
SEQ ID NO: 4: amino acid sequence of LCDR1
SEQ ID NO: 5: amino acid sequence of LCDR2
SEQ ID NO: 6: amino acid sequence of LCDR3
SEQ ID NO: 7: amino acid sequence of humanized VH
SEQ ID NO: 8: amino acid sequence of humanized VL
SEQ ID NO: 9: amino acid sequence of humanized VL
SEQ ID NO: 10: amino acid sequence of humanized VH
SEQ ID NO: 11: amino acid sequence of humanized VL