Domain	Amino Acid position
FR1	3-24
CDR1	25-32
FR2	33-44
CDR2	45-61
FR3	67-98
CDR3	99-106
FR4	107-117

Domain	Amino Acid position
FR1	2-26
CDR1	27-32
FR2	33-43
CDR2	44-55
FR3	57-90
CDR3	91-96
FR4	97-106

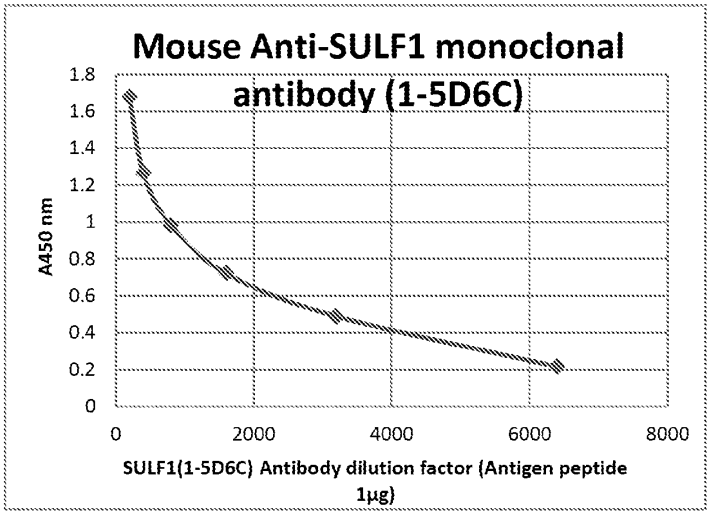
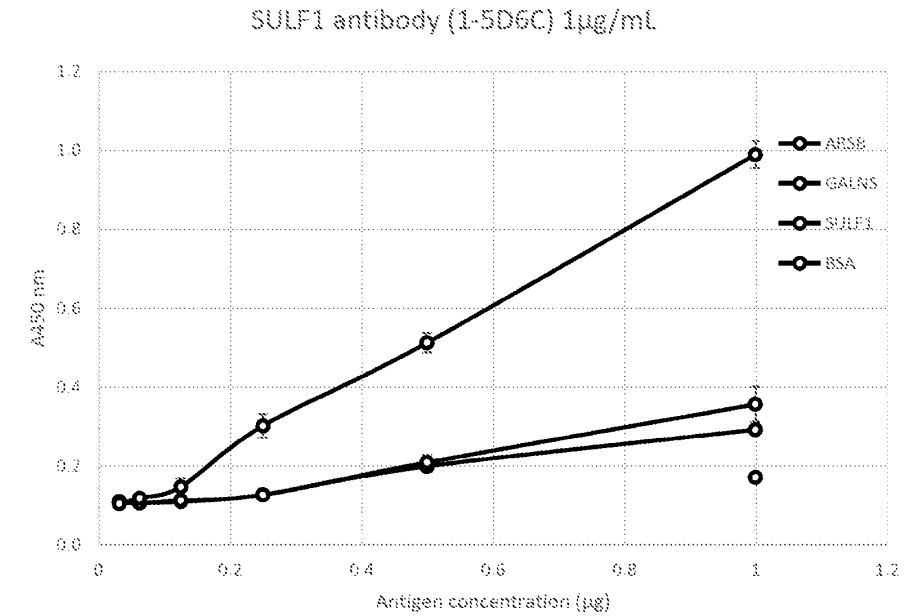
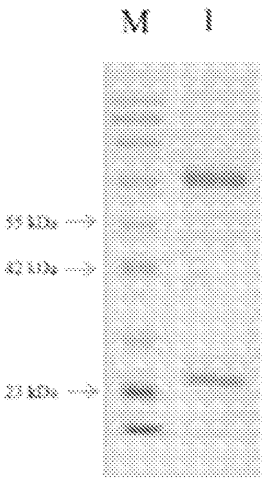


FIG. 1A





M: Marker

1: Mouse anti-Sulf1 (1-5D-6C) antibody purified by protein A/G Column

FIG. 1B

Domain	Amino Acid position
FR1	1-26
CDR1	27-38
FR2	39-50
CDR2	51-66
FR3	67-99
CDR3	110-130

Domain	Amino Acid position
FR1	2-26
CDR1	27-35
FR2	36-49
CDR2	50-60
FR3	61-96
CDR3	97-107
FR4	108-123

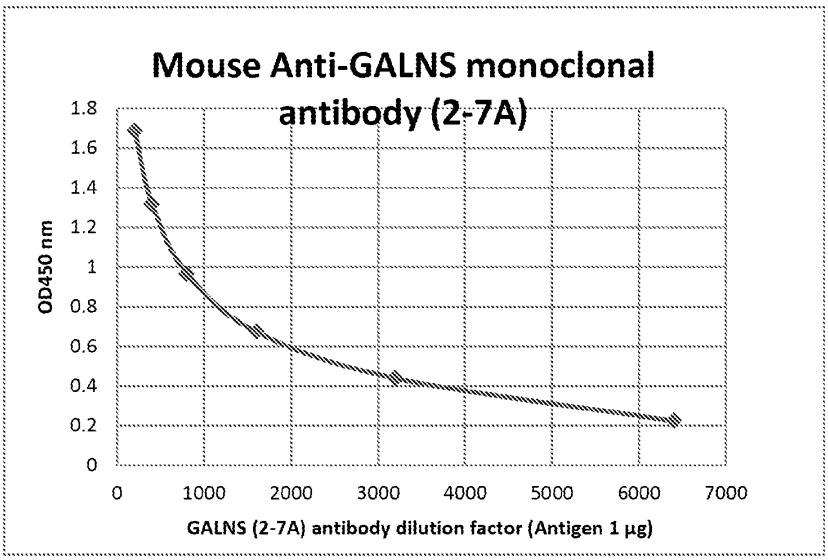
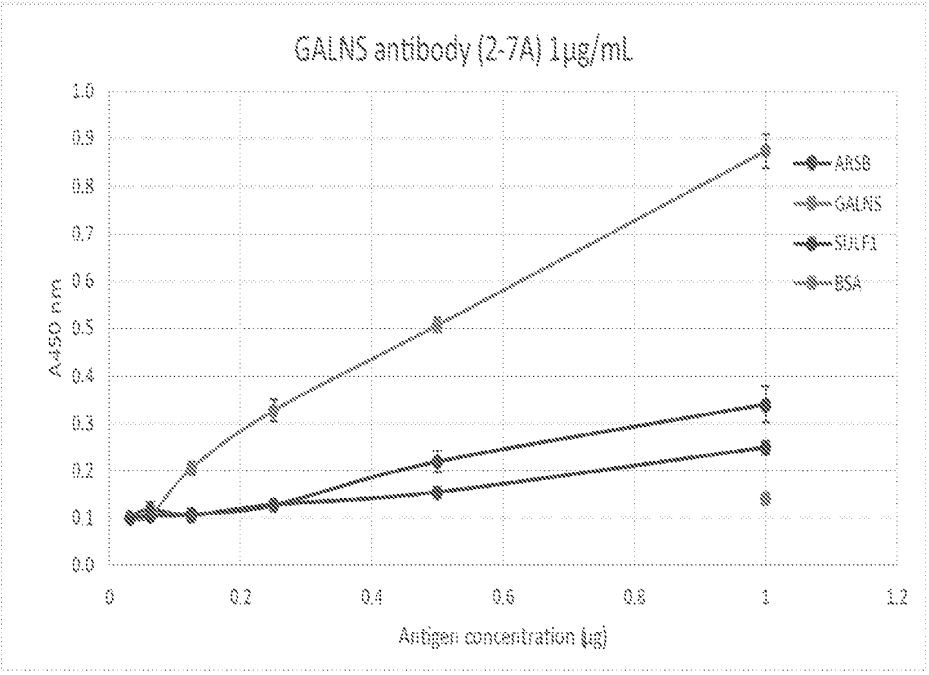
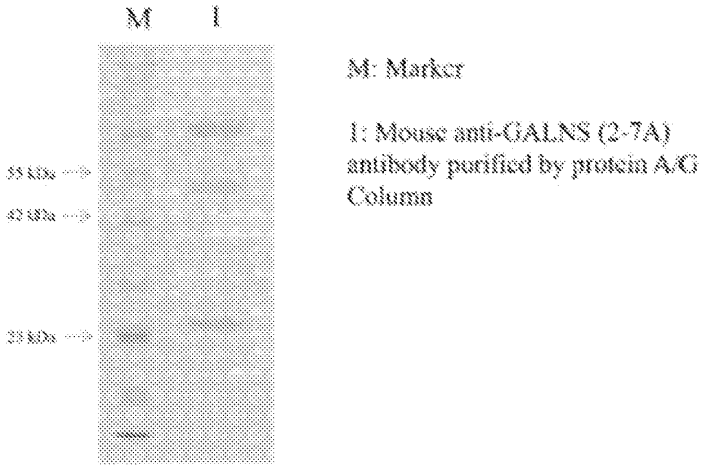


FIG. 2A





M: Marker

1: Mouse anti-GALNS (2-7A) antibody purified by protein A/G Column

FIG. 2B

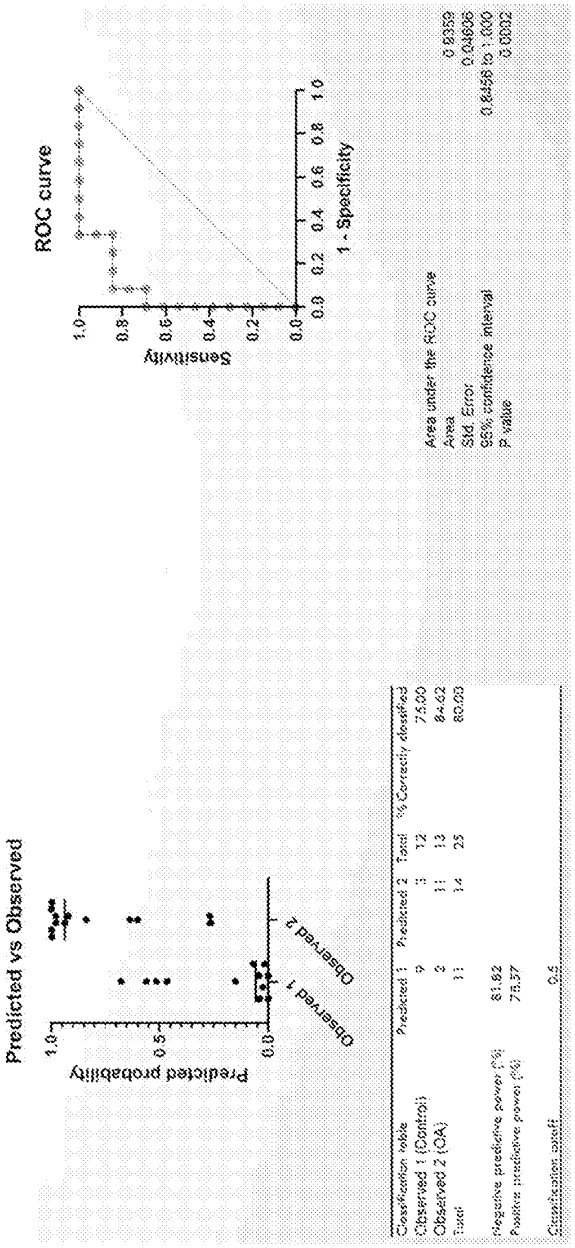

Predicted vs Observed
Predicted probability
1.0
0.5
0.0
Observed 1
Observed 2
ROC curve
Sensitivity
1 - Specificity
1.0
0.8
0.6
0.4
0.2
0.0
0.0 0.2 0.4 0.6 0.8 1.0
Classification table
Predicted 1
Predicted 2
Total
% Correctly classified
Observed 1 (Control)
9
3
12
75.00
Observed 2 (OA)
3
11
13
84.62
Total
11
14
25
80.00
Negative predictive power (%)
81.82
Positive predictive power (%)
78.57
Classification cutoff
0.5
Area under the ROC curve
Area
0.8359
Std. Error
0.04606
95% confidence interval
0.8456 to 1.000
P value
0.0002

FIG. 3

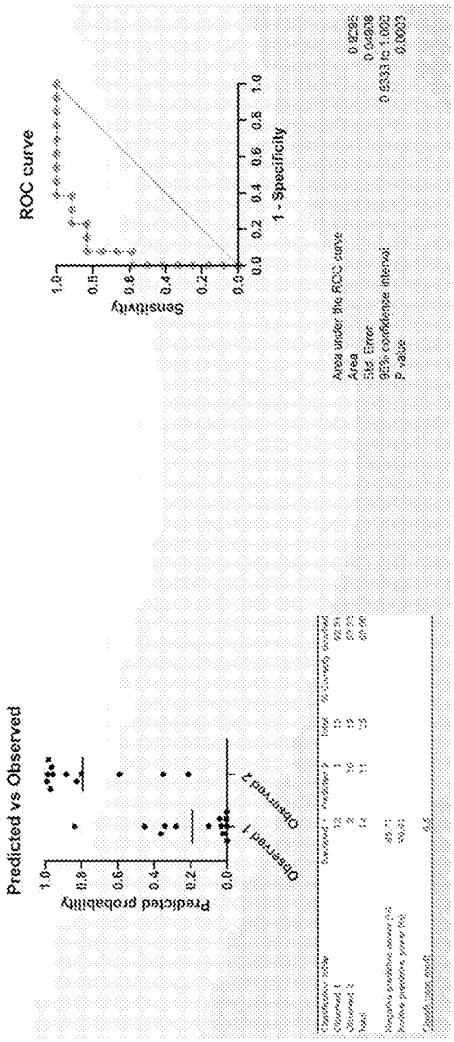

Predicted vs Observed
Predicted probability
1.0
0.8
0.6
0.4
0.2
0.0
Observed 1
Observed 2
ROC curve
Sensitivity
1 - Specificity
Area under the ROC curve
Area
Std. Error
95% confidence interval
P value
0.9236
0.04838
0.8333 to 1.000
0.0003

FIG. 4

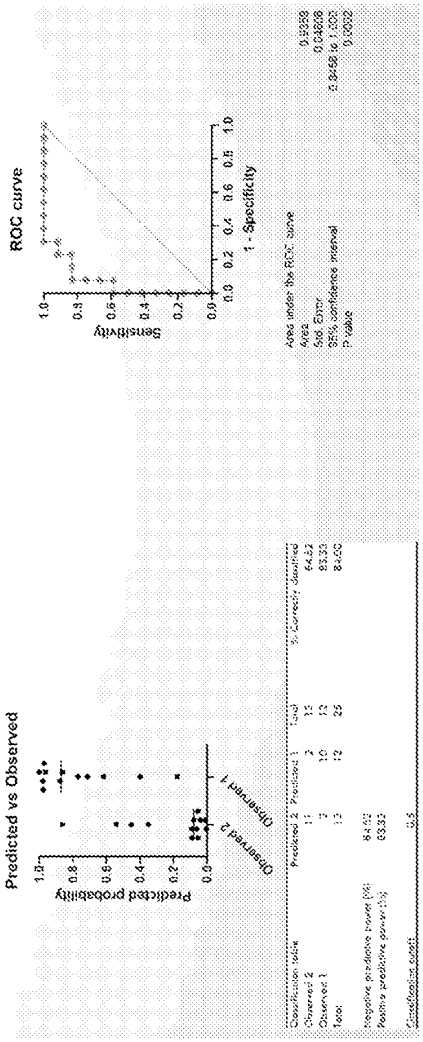

Predicted vs Observed
Predicted probability
Observed 1
Observed 2
ROC curve
Sensitivity
1 - Specificity
Classification table
Predicted 1
Predicted 2
Total
% Correctly Classified
Observed 2
Observed 1
Total
Area under the ROC curve
Area
Std. Error
95% confidence interval
P value

FIG. 5