

ATL-B-0001-PCT1_ST25
SEQUENCE LISTING

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<120> TARGETING O-ACETYLATED GD2 GANGLIOSIDE AS A NEW THERAPEUTIC AND
DIAGNOSTIC STRATEGY FOR CANCER STEM CELLS CANCER

<130> ATL-B-0001-PCT1

<150> EP13002268.4

<151> 2013-04-19

<160> 10

<170> PatentIn version 3.5

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<212> PRT

<213> Mus musculus

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Gln Ser Leu Leu Lys Asn Asn Gly Asn Thr Phe Leu
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Lys Val Ser
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Ser Gln Ser Thr His Ile Pro Tyr Thr
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<213> Mus musculus

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Glu Phe Thr Phe Thr Asp Tyr Tyr
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Ile Arg Asn Arg Ala Asn Gly Tyr Thr Thr
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Ala Arg Val Ser Asn Trp Ala Phe Asp Tyr
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Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
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Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu Lys Asn
20 25 30

Asn Gly Asn Thr Phe Leu His Trp Tyr Leu Gln Lys Ser Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Leu Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Tyr Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser
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Thr His Ile Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
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Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Leu Pro Gly Asp
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Ser Leu Arg Leu Ser Cys Ala Thr Ser Glu Phe Thr Phe Thr Asp Tyr
20 25 30

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Tyr Met Thr Trp Val Arg Gln Pro Pro Arg Lys Ala Leu Glu Trp Leu
35 40 45

Gly Phe Ile Arg Asn Arg Ala Asn Gly Tyr Thr Thr Glu Tyr Asn Pro
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Ser Ile
65 70 75 80

Leu Tyr Leu Gln Met Asn Thr Leu Arg Thr Glu Asp Ser Ala Thr Tyr
85 90 95

Tyr Cys Ala Arg Val Ser Asn Trp Ala Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Leu Thr Val Ser Ser
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<213> Artificial Sequence

<220>
<223> Chimeric antibody chain

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Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu Lys Asn
20 25 30

Asn Gly Asn Thr Phe Leu His Trp Tyr Leu Gln Lys Ser Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Leu Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Tyr Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Ile Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 10
<211> 119
<212> PRT
<213> Artificial Sequence

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<220>

<223> Chimeric antibody chain

<400> 10

Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Leu Pro Gly Asp
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Glu Phe Thr Phe Thr Asp Tyr
20 25 30

Tyr Met Thr Trp Val Arg Gln Pro Pro Arg Lys Ala Leu Glu Trp Leu
35 40 45

Gly Phe Ile Arg Asn Arg Ala Asn Gly Tyr Thr Thr Glu Tyr Asn Pro
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Ser Ile
65 70 75 80

Leu Tyr Leu Gln Met Asn Thr Leu Arg Thr Glu Asp Ser Ala Thr Tyr
85 90 95

Tyr Cys Ala Arg Val Ser Asn Trp Ala Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Leu Thr Val Ser Ser
115