Systems And Methods For Generating Peptide Deficient Hla-A*68:02 And Hla-A*24:02 Molecules

Tech ID: 33089 / UC Case 2020-284-0

BACKGROUND

See background of NCD 32985.

TECHNOLOGY DESCRIPTION

See background of NCD 32984 for overall technology description.

This technology includes methods and placeholder peptides for the creation of peptide receptive HLA-A*68:02 and HLA-A*24:02 using TAPBPR in bacteria.

APPLICATIONS

Peptide receptive MHC-I multimers of HLA-A*68:02 and HLA-A*24:02

Identification of peptide epitopes of HLA-A*68:02 and HLA-A*24:02

ADVANTAGES

Specific placeholder peptides for the production of peptide receptive HLA-A*68:02 and HLA-A*24:02

INTELLECTUAL PROPERTY INFORMATION

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<th>Country</th>
<th>Type</th>
<th>Number</th>
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<tr>
<td>European Patent Office</td>
<td>Published Application</td>
<td>EP 4 136 098</td>
<td>02/22/2023</td>
<td>2020-284</td>
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<td>United States Of America</td>
<td>Published Application</td>
<td>20210371499</td>
<td>12/20/2021</td>
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RELATED CASES

2020-284-0, 2018-408-0, 2019-975-0, 2020-251-0, 2020-297-0

RELATED MATERIALS

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Systems And Methods For Performing Peptide Exchange Reactions Using Placeholder Peptides And Catalytic Amounts Of The Molecular Chaperone TAPBPR
- SYSTEMS AND METHODS FOR IDENTIFICATION OF MHC-I PEPTIDE EPITOPES USING MULTIPLEXED PEPTIDE RECEPTE MHC-I/CHAPERONE COMPLEXES

INVENTORS

- Sgourakis, Nikolaos

OTHER INFORMATION

KEYWORDS

HLA-A*68:02, HLA-A*24:02, peptide receptive MHC-I

CATEGORIZED AS

- Biotechnology
- Proteomics
- Research Tools
- Reagents

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