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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

Country	Type	Number	Dated	Case
European Patent Office	Published Application	EP 4 136 098	02/22/2023	2020-284
United States Of America	Published Application	20210371499	12/20/2021	2020-284

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 RECEPTIVE MHC-I/CHAPERONE COMPLEXES](#)

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OTHER INFORMATION

KEYWORDS

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

CATEGORIZED AS

- ▶ [Biotechnology](#)
- ▶ [Proteomics](#)
- ▶ [Research Tools](#)
- ▶ [Reagents](#)

RELATED CASES

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