



Sep 27, 2024

Immunopeptidomic analyses of RAW 264.7 macrophages

DOI

dx.doi.org/10.17504/protocols.io.rm7vzxbergx1/v1

Joel Lanoix^{1,2}, Pierre Thibault^{1,2}

¹Institute for Research in Immunology and Cancer, Université de Montréal, Montreal, Quebec, Canada;

²Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, MD, 20815



Lilia Rodriguez

Université de Montréal

OPEN  ACCESS



DOI: dx.doi.org/10.17504/protocols.io.rm7vzxbergx1/v1

Collection Citation: Joel Lanoix, Pierre Thibault 2024. Immunopeptidomic analyses of RAW 264.7 macrophages. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.rm7vzxbergx1/v1>

License: This is an open access collection distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this collection and it's working

Created: August 09, 2023

Last Modified: September 27, 2024

Collection Integer ID: 86250

Keywords: ASAPCRN

Funders Acknowledgement:

Aligning Science Across

Parkinson's

Grant ID: ASAP 000525



Disclaimer

ETHICS DISCLAIMER

The **protocols.io** team notes that research involving animals and humans must be conducted according to internationally-accepted standards and should always have prior approval from an Institutional Ethics Committee or Board.

Abstract

Here, we describe protocols for a novel proteogenomic approach to identify MHC I-associated peptides from RAW 264.7 cells after LPS stimulation. These antigens are rare and are most effectively identified with a mass spectrometry-based approach, which allows the direct sampling and sequencing of these peptides.

Disclaimer

ETHICS DISCLAIMER

The **protocols.io** team notes that research involving animals and humans must be conducted according to internationally-accepted standards and should always have prior approval from an Institutional Ethics Committee or Board.

Files



MAPs isolation from mouse cells.docx

DOWNLOAD ↓



M&M_MHC-1 peptide isolation.docx

DOWNLOAD ↓



Anti H2-Db antibody.docx

DOWNLOAD ↓



Solubilization of mouse cells.docx

DOWNLOAD ↓



Pan-H2, H2-Kb, H2-KdDd antibodies.docx

DOWNLOAD ↓