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# MHCBN: A comprehensive database of MHC binding and non-binding peptides

RRID:SCR\_007785 Type: Tool

**Proper Citation** 

MHCBN: A comprehensive database of MHC binding and non-binding peptides (RRID:SCR\_007785)

#### **Resource Information**

URL: http://www.imtech.res.in/raghava/mhcbn/

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**Description:** The MHCBN is a curated database consisting of detailed information about Major Histocompatibility Complex (MHC) Binding,Non-binding peptides and T-cell epitopes. The version 4.0 of database provides information about peptides interacting with TAP and MHC linked autoimmune diseases.

Synonyms: MHCBN

Resource Type: database, data or information resource

Funding:

**Resource Name:** MHCBN: A comprehensive database of MHC binding and non-binding peptides

Resource ID: SCR\_007785

Alternate IDs: nif-0000-03123

**Record Creation Time:** 20220129T080243+0000

Record Last Update: 20250430T055530+0000

## **Ratings and Alerts**

No rating or validation information has been found for MHCBN: A comprehensive database of MHC binding and non-binding peptides.

No alerts have been found for MHCBN: A comprehensive database of MHC binding and nonbinding peptides.

## Data and Source Information

Source: <u>SciCrunch Registry</u>

## **Usage and Citation Metrics**

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Sharma A, et al. (2021) Advanced strategies for development of vaccines against human bacterial pathogens. World journal of microbiology & biotechnology, 37(4), 67.

Kelly A, et al. (2017) Introduction: MHC/KIR and governance of specificity. Immunogenetics, 69(8-9), 481.

Zhang XW, et al. (2013) A combination of epitope prediction and molecular docking allows for good identification of MHC class I restricted T-cell epitopes. Computational biology and chemistry, 45, 30.

Tong JC, et al. (2011) Understanding infectious agents from an in silico perspective. Drug discovery today, 16(1-2), 42.

Lundegaard C, et al. (2010) Major histocompatibility complex class I binding predictions as a tool in epitope discovery. Immunology, 130(3), 309.

Tong JC, et al. (2009) Immunoinformatics: current trends and future directions. Drug discovery today, 14(13-14), 684.

Chaudhary N, et al. (2009) Prophylactic and Therapeutic Potential of Asp f1 Epitopes in Naïve and Sensitized BALB/c Mice. Immune network, 9(5), 179.

Lata S, et al. (2009) MHCBN 4.0: A database of MHC/TAP binding peptides and T-cell epitopes. BMC research notes, 2, 61.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.

Toseland CP, et al. (2005) AntiJen: a quantitative immunology database integrating functional, thermodynamic, kinetic, biophysical, and cellular data. Immunome research, 1(1),

4.