

Closing Remarks & Survey

2023 IEDB Virtual User Workshop Day 3

Friday, November 3, 2023

We want to hear from you!



Improve our resources through user feedback



Daily and post-event feedback survey



https://www.surveymonkey.com/r/7BNG8LL



Please take some time to complete the survey now



#iedbuw2023

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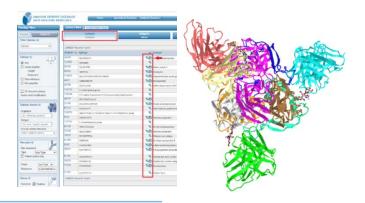


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IEDB-3D 2.0: Visualizing Structures in the IEDB



Dr. Marcus Mendes *Bioinformatics Postdoctoral Researcher*



IEDB Query API (IQ-API)



Dr. Jason Greenbaum *Bioinformatics Core Director*





The Cancer Epitope Database and Analysis Resource (CEDAR)



Dr. Zeynep Koşaloğlu-Yalçın
Instructor



CEDAR Prostate Cancer Meta-analysis



Dr. Alessandro Sette *Principal Investigator*

Protein	Abbreviation	Species	Proteome Accession	References	Protein	fp/topes*					Epitopea				
					Lengths	Tetal ⁴	Host Human	Heet Mouse	8 Cell	T Cell	T Cell Class I	T Cell Class II	MHC Binding	MHC Elution	Grand Total
Prostatic acid phosphatase	PAP: PAcP	human, mouse, rat	P15309, Q8CE08, A0A0G2K4B4	30	386 381 381	67	35	34	11	64	31	33	20	2	73
Prostate-specific antigen	PSA, KLK3	human	P07288	44	261	78	39	47	52	51	33	18	22	1	82
Prostate-specific membrane antigen	PSMA	human, mouse	Q04609 035409	32	750 752	51	39	17	34	34	27	6	23	1	60
Prostein (Solute carrier family 45 member 3)		human, mouse, rat	Q96/T2 Q8K0H7 D3ZPP5	5	553 553 564	42	42	0	38	4	4	0	6	2	48
Prostate stem cell antigen	PSCA	human	043653	6	114	18	18	1	7	17	17	0	12	2	20
Metalloreductase STEAP1		human, mouse	Q9UHE8 Q9CWR7	8	339 339	15	7	10	0	15	13	2	2	5	19
Transient receptor potential cation channel subfamily M member 8	Trp-p8	human, mouse	Q7Z2W7 Q8R4D5	2	1104 1104	2	1	1	0	2	2	0	5	9	14
TCR gamma alternate reading frame protein	TARP	human	A2JGV3.1	5	58	5	6	0	0	5	3	2	3	1	6
Total				132		278	187	110	142	192	130	61	93	21	322

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NIH Resources for Researchers: The LANL HIV Databases



Jennifer Mamrosh *Principal Investigator*



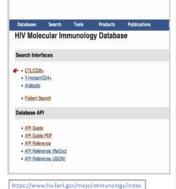
Elizabeth-Sharon Fung
Annotator, Editor



Jennifer Macke

Annotator





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IEDB, UniProt & Protein Ontology - A Collaboration



Dr. Randi VitaLead Ontology & Quality Manager





ANTIGEN SUMMARY

Hemagglutinin from Influenza A virus (Antigen ID UNIPROT: P03452 4).

Synonyms: hemagglutinin precursor, HEMA_I34A1, L protein, Hemagglutinin, Chain A, hemagglutinin HA, hemagglutinin HA2, haemagglutinin, hemagglutinin gene, Hemagglutinin HA, hemagglutinin, partial, Influenza Virus Hemagglutinin, hemagglutinin HA1, hemagglutinin subtype H5, Hemagglutinin precursor, HAY subunit of haemagglutinin, Truncated hemagglutinin, HA2, hemagglutinin H5, HA1, HA.

This antigen has 3216 epitopes and has been studied for immune reactivity in 748 publication(s), tested in 4616 T cell assays, 5541 B cell assays and 1741 MHC ligand assays and has 128 3D structure assays.

Assays in which this antigen was tested are distributed according to host: Homo sapiens (human) (6825), Mus musculus (mouse) (2941), Oryctolagus cuniculus (rabbit) (321), Vicugna pacos (alpaca) (241), Macaca mulatta (rhesus macaque) (185), Gallus gallus (chicken) (121), Sus scrofa (pig) (82), Lama glama (lama) (49), Macaca fascicularis (crab eating macaque) (39), Mustela putorius (European polecat) (24), Bos taurus (bovine) (13), Pan troglodytes (chimpanzee) (10), Anas platyrhynchos (duck) (4), Capra hircus (domestic goat) (3), Rattus norvegicus (brown rat) (2), Ovis aries (domestic sheep) (1).

Assays in which this antigen was tested are distributed according to disease state of the host: influenza (925), healthy (454), collagen-induced arthritis (CIA) (6), multiple sclerosis (6), rheumatoid arthritis (6), type 1 diabetes mellitus (3), prediabetes syndrome (1).

Post-Event Details



You will receive a post-event email next week



Workshop recording will be shared with you



All presentations will be shared with you



Participation certificates will be provided upon request



Post-event feedback survey

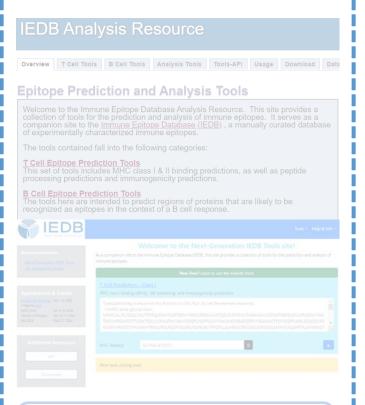
User Workshop Structure

Day 1



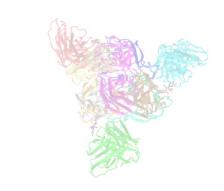
Process Overview and Database

Day 2



Next-Generation Tools & Analysis Resource

Day 3







Specialized Topics – 3D Structures, Cancer, HIV



Additional Questions?

Email us at help@iedb.org



Thank you!

We appreciate your time and interest in the IEDB!