



Miltenyi Biotec

Available up to GMP grade

PepTivator[®] Peptide Pools

Advance your research

- **Efficient restimulation of CD4⁺ and CD8⁺ T cells**
- **Covers the complete sequence of the respective antigen**
- **Optimally to combine with MACS[®] Products for analysis and isolation of antigen-specific T cells**

Enjoy the benefits of effective stimulation of antigen-specific T cells with an extensive panel of virus- or tumor specific antigens – available in three convenient quality grades to suit your needs.

► www.peptivator.com

Effective stimulation

PepTivator® Peptide Pools are ideal tools for the efficient *in vitro* stimulation of antigen-specific CD4⁺ and CD8⁺ T cells. Their composition of 15-mer peptides with an 11 amino acid overlap covers the complete sequence of the respective antigen. This has been shown to be most effective for stimulating CD4⁺ as well as CD8⁺ T cells in various applications, e.g. immunomonitoring or research in immunotherapy and vaccination.

Three quality grades to suit your needs

- PepTivator Peptide Pools-research grade – with an average purity of 70%, they combine state of the art peptide production and purification with broadest antigen choice.
- PepTivator Peptide Pools – that come with peptides individually purified >75% and endotoxin tested. Two convenient sizes for stimulation of 10⁸ or 10⁹ cells.
- MACS GMP PepTivators – are designed to be used towards the development of clinical applications. Our MACS GMP PepTivators are designed following the recommendations of United States Pharmacopeia, chapter <1043> on ancillary materials and are free of animal-, or virus-derived components. Product specifications are confirmed by batch-specific certificates of analysis.

Check out our tools for isolation and analysis of antigen-specific T cells

Once stimulated, antigen-specific T cells can be easily isolated using the unique MACS® Cytokine Secretion Assays. Get resulting cells that are viable for immediate downstream applications!

Visit www.peptivator.com for a complete range of PepTivator Peptide Pools and detailed information on quality grades and sizes.

Available antigens

Antigens from infectious disease	
AdV-5	Hexon protein*, penton protein
CMV	IE-1, pp65*
EBV	BZLF1*, EBNA-1* LMP1, LMP2A*
HPV16	E6 protein, E7 protein
HPV18	E6 protein, E7 protein
BKV	Large T antigen, small T antigen Capsid proteins VP1, VP2
HCV1a	Core protein Serine protease NS3 Non-structural proteins NS4, NS5
HCV1b	Core protein Serine protease NS3 Non-structural proteins NS4, NS5
Influenza A (H1N1)	MP1
JCV	Large T antigen, small T antigen Capsid proteins VP1, VP2, VP3
Aspergillus fumigatus	Asp f 16, crf1, Gel1, pmp20, SHMP
Candida albicans	MP65

Tumor-associated antigens	
Melanoma	gp100/Pmel 17 Melan-A/MART-1 MAGE-A1, MAGE-A3, MAGE-A4
Other	NY-ESO-1 PAP Survivin 1 Tyrosinase WT1*

Antigens associated with autoimmunity	
CHI3L2	
GAD65	
Insulin	
MBP	Isoform 1, Isoform 5
MOG	
PLP	

* also available as MACS GMP PepTivator



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MACS GMP Antigens are for research use and *ex vivo* cell culture processing only, and are not intended for human *in vivo* applications. The products are manufactured and tested under a certified ISO 9001 quality system and in compliance with relevant GMP guidelines and the recommendations of USP chapter 1043 on ancillary materials. Unless otherwise specifically indicated, Miltenyi Biotec products and services are for research use only and not for therapeutic or diagnostic use. MACS, CliniMACS, and PepTivator are registered trademarks of Miltenyi Biotec GmbH. Copyright © 2012 Miltenyi Biotec GmbH. All rights reserved.