



Available up to MACS® GMP grade

# PepTivator® Peptide Pools

Standardize your T cell assays

- **Fast and efficient restimulation of CD4<sup>+</sup> and CD8<sup>+</sup> T cells**
- **Covers the complete sequence of the respective antigen**
- **Pulsing of antigen-presenting cells for research on dendritic cell vaccination**

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.

► [peptivator.com](https://peptivator.com)

## Effective stimulation

PepTivator® Peptide Pools are ideal tools for the efficient *in vitro* stimulation of antigen-specific CD4<sup>+</sup> and CD8<sup>+</sup> 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<sup>+</sup> as well as CD8<sup>+</sup> 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 >80% and endotoxin tested. Two convenient sizes for stimulation of 10<sup>8</sup> or 10<sup>9</sup> 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, viable antigen-specific T cells can be easily isolated using the unique MACS Cytokine Secretion Assays or the CD154 or CD137 MicroBead Kits. Cytokine production and secretion of activated T cells can be measured using the Rapid Cytokine Inspector or MACSPlex Cytokine Kits.

In addition, our innovative Vio®Dyes and REAfinity™ Antibodies facilitate reproducible cell analysis.

Visit [www.peptivator.com](http://www.peptivator.com) for a complete range of PepTivator Peptide Pools and detailed information on quality grades and sizes.



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## Available antigens

### Antigens from infectious disease

<b>AdV-5</b>	Hexon*, penton
<b>BKV</b>	Large T antigen*, small T antigen Capsid proteins VP1*, VP2
<b>CMV</b>	IE-1, pp65*
<b>EBV</b>	BZLF1*, EBNA-1*, Select* LMP1, LMP2A*, BMLF1, BRLF1
<b>HCV1a</b>	Core protein Serine protease NS3 Non-structural proteins NS4, NS5
<b>HCV1b</b>	Core protein Serine protease NS3 Non-structural proteins NS4, NS5
<b>HHV</b>	Envelope Glycoprotein D
<b>HPV16</b>	E6 protein*, E7 protein*
<b>HPV18</b>	E6 protein*, E7 protein*
<b>Influenza A (H1N1)</b>	MP1, MP2, HA, NA, NP
<b>JCV</b>	Large T antigen, small T antigen, Capsid proteins VP1, VP2, VP3
<b>RSV</b>	Nucleoprotein
<b>Zika</b>	under development
<b>Aspergillus fumigatus</b>	Catalase B, crf1, Gel1, pmp20, SHMP, SOD
<b>Bacillus Afzelii</b>	BmpA, bmpB, ospA, ospB, ospC
<b>Candida albicans</b>	MP65

### Tumor-associated antigens

<b>Melanoma</b>	gp100/Pmel 17 Melan-A/MART-1 MAGE-A1, MAGE-A3*, MAGE-A4
<b>Other</b>	NY-ESO-1*, PAP, Survivin 1*, Tyrosinase, WT1*, PRAME, PSA, Prostein, PSCA, PSMA, ROR1, STEAP1, TERT, Mucin-1*

### Antigens associated with autoimmunity

<b>CHI3L2</b>	
<b>Desmoglein</b>	
<b>GAD65</b>	
<b>Insulin</b>	
<b>MBP</b>	Isoform 1, Isoform 5
<b>MOG</b>	
<b>Ovalbumin</b>	
<b>PLP</b>	
<b>IA-2</b>	

\*also available as MACS GMP PepTivator

### Positive control

<b>CEF MHC Class I</b>	HCMV, EBV, Influenza
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