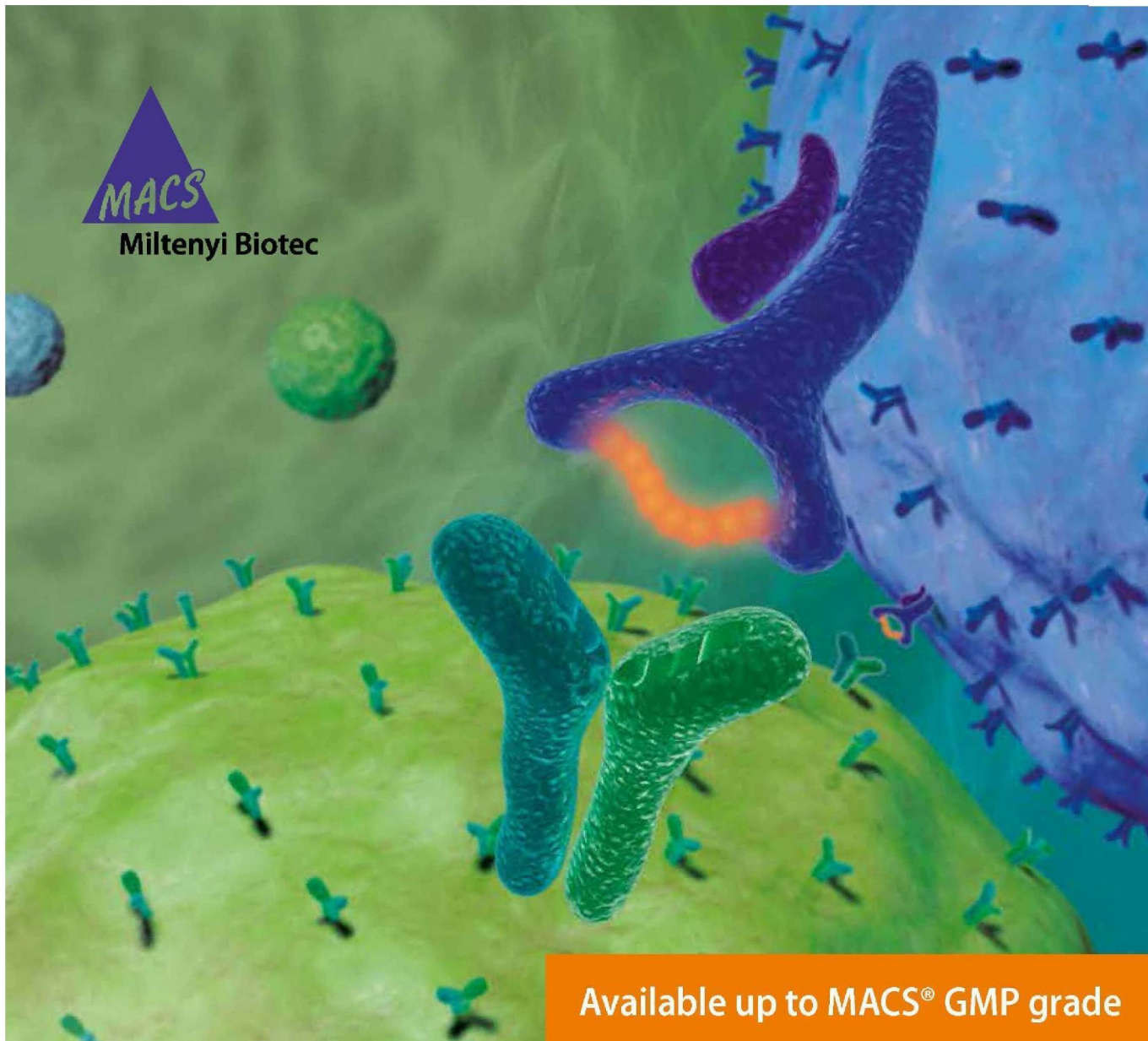




Miltenyi Biotec



Available up to MACS® GMP grade

PepTivator® Peptide Pools

Standardize your T cell assays

- **Fast and efficient restimulation of CD4⁺ and CD8⁺ 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

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 >80% 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, 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 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	
AdV-5	Hexon*, penton
BKV	Large T antigen*, small T antigen Capsid proteins VP1*, VP2
CMV	IE-1, pp65*
EBV	BZLF1*, EBNA-1*, Select* LMP1, LMP2A*, BMLF1, BRLF1
HCV1a	Core protein Serine protease NS3 Non-structural proteins NS4, NS5
HCV1b	Core protein Serine protease NS3 Non-structural proteins NS4, NS5
HHV	Envelope Glycoprotein D
HPV16	E6 protein*, E7 protein*
HPV18	E6 protein*, E7 protein*
Influenza A (H1N1)	MP1, MP2, HA, NA, NP
JCV	Large T antigen, small T antigen, Capsid proteins VP1, VP2, VP3
RSV	Nucleoprotein
Zika	under development
Aspergillus fumigatus	Catalase B, crf1, Gel1, pmp20, SHMP, SOD
Bacillus Atzeli	BmpA, bmpB, ospA, ospB, ospC
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*, PRAME, PSA, Prostein, PSCA, PSMA, ROR1, STEAP1, TERT, Mucin-1*

Antigens associated with autoimmunity	
CHI3L2	
Desmoglein	
GAD65	
Insulin	
MBP	Isoform 1, Isoform 5
MOG	
Ovalbumin	
PLP	
IA-2	

*also available as MACS GMP PepTivator

Positive control	
CEF MHC Class I	HCMV, EBV, Influenza