



## Data Sheet

# CMV IE-1<sub>(88-96)</sub> peptide QIKVRVDMV

Cat. No.: 6-7017-901

Version: 4.4  
Revision Date: 24.09.2021

<b>Description</b>	Single peptide ( <b>QIKVRVDMV</b> ) for stimulation of <b>human CMV IE-1<sub>(88-96)</sub></b> -specific CD8 <sup>+</sup> T-cells. The peptide is synthesised as it is presented by the MHC class I <b>HLA-B*0801</b> allele.
<b>Form</b>	Lyophilized powder <b>Please spin down briefly before opening the vial.</b>
<b>Amount</b>	1 mg
<b>Purity</b>	> 85%, endotoxin free; peptides were purified by HPLC using a water and acetonitrile gradient
<b>Stability</b>	12 months after shipping
<b>Storage</b>	Recommended: -25 °C – -15 °C
<b>Shipping</b>	Room temperature or frozen
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
<b>Reconstitution</b>	Peptide solubility depends on amino acid sequence and modifications. For dissolving peptides, we recommend the following: <ul style="list-style-type: none"><li>• Sonication will increase solubility.</li><li>• 10% acetic acid in the solvent will facilitate dissolving basic peptides.</li><li>• 10% ammonium bicarbonate will facilitate dissolving acidic peptides.</li><li>• For peptides with extremely low solubility in aqueous solutions, organic solvents (such as DMSO, isopropanol, methanol, and acetonitrile) should be used first. Once the peptides are completely dissolved, water may be gradually added until the desired concentration is obtained.</li></ul>

### For research use only

#### Trademark information

The owners of trademarks marked by "®" or "TM" are identified at <http://www.iba-lifesciences.com/patents.html>. Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.