

## Peptide Loading Protocol for Peptide-ready MHC (prMHC)

### Materials

- Peptide-ready MHC
- Peptide
- DMSO
- PBS (containing 10% sucrose and 10% trehalose)
- Shaker
- -80°C Freezer

### Important Notes

Fresh samples are recommended. If storage is required, please perform sterile filtration and store it at -80°C and avoid repeated freeze-thaw cycles.

### Protocol

1. Dissolve the peptide to a concentration of 1 mg/mL. For example, 1 mg peptide can be dissolved in 100  $\mu$ L of DMSO and then added to 900  $\mu$ L of PBS (containing 10% sucrose and 10% trehalose).
2. Mix peptide with MHC at a molar ratio of 10:1 to 3:1.
3. Incubate for 5-10 minutes at room temperature.