



	Experiment title: Structure determination of a major histocompatibility complex (MHC) with bound self and non-self peptides.	Experiment number: 01-02-185
Beamline: SNBL BM1A	Date of experiment: from: 8.12.1998 to: 9.12.1998	Date of report: 02.02.2000
Shifts: 3	Local contact(s): Dr. Kenneth Knudsen	<i>Received at ESRF:</i>

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Report:

Crystals were tested of the complex between the murine MHC molecule H-2D^b, and the nonameric peptide np396 from the lymphocytic choriomeningitis virus nucleoprotein.

Optimal freezing conditions had already been established in-house, and a 96 % complete dataset was collected at 2.2 Å resolution from a single crystal. The structure has been solved by molecular replacement, and it has been successfully refined to an R-factor of 22.9 %, and an R-free of 28.8 %, with good stereochemical parameters.