ESRF	**Experiment title:** **BINDING STUDIES ON NKp46**	**Experiment number**: MX267
Beamline: ID 14-3	**Date of experiment**: from: 16/12/2004 to: 17/12/2004	**Date of report**: 25/07/2004
Shifts: 3	**Local contact(s)**: **Dr.Elspeth GORDON**	*Received at ESRF:*

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Report:

NKp46 is one of the activatory receptors controlling Natural Killer (NK) cells cytolitic activity. The structure of the receptorial, extracellular domain of NKp46 has recently been elucidated by our group (Ponassi et al., Biochem. Biophys. Res. Comm., 309, 317-323, 2003). Following the experimental indication that syalic acid derivatives may modulate NKp46, three datasets were collected, with respective sialic acid derivatives added to the protein crystal solution. The subsequent data analysis showed no evidence for selective binding.