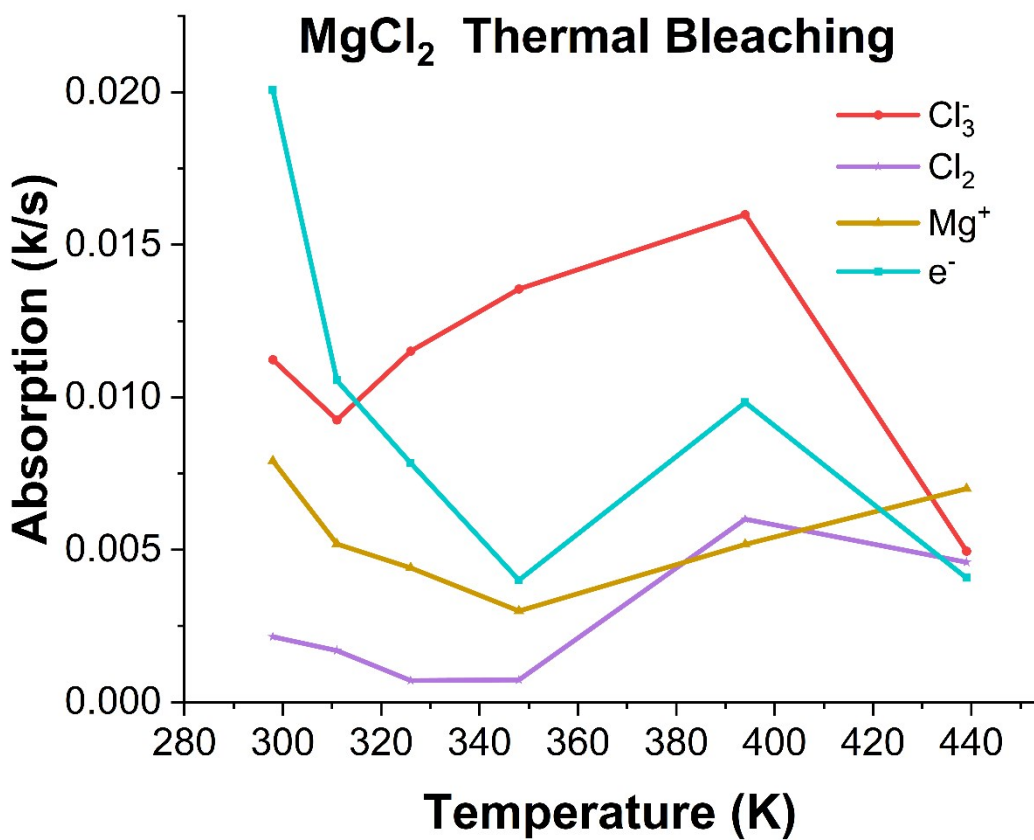


## Electronic Supplementary Information

### Supplementary Figures



**Figure S1.** Thermal bleaching curves for the main transients in MgCl<sub>2</sub> irradiated at 100 kGy absorbed gamma dose. Cl<sub>2</sub><sup>-</sup> could not be determined by overlapping with the band at 378 nm of Mg<sup>+</sup>.