

Supporting Information

for

**Electronic Structure of the CO/Pt(111) Electrode Interface Probed
by Potential-Dependent IR/Visible Double Resonance Sum
Frequency Generation**

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Potential-Dependent SFG Spectra Obtained by Using Visible Light of Various Energies.

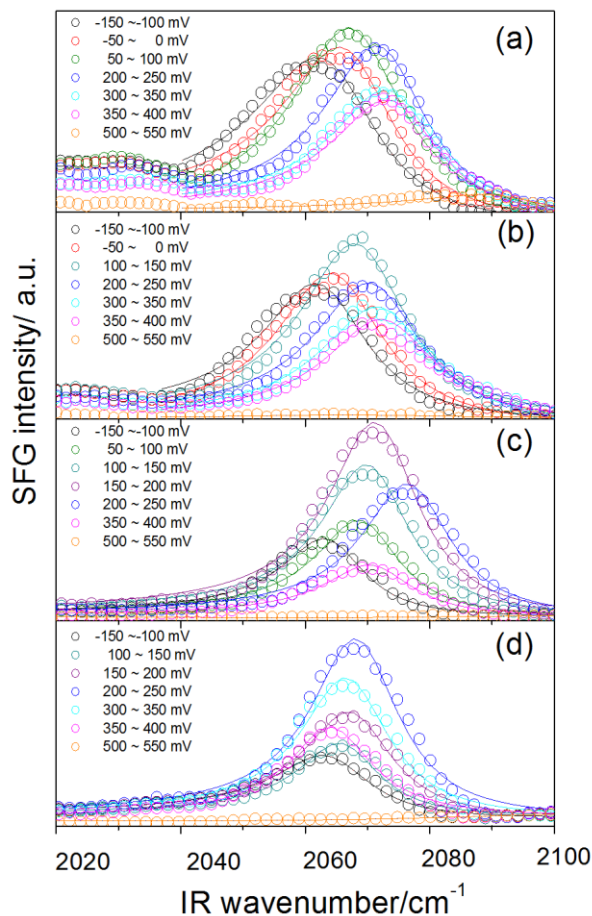


Figure S1. Typical potential-dependent SFG spectra of the Pt(111) electrode with preadsorbed CO in the 0.5 M CO-free Ar-saturated H₂SO₄ solution obtained by using visible light of (a) 620, (b) 590, (c) 575, and (d) 550 nm. Solid lines are the best fits according to eq 1.