**Supplementary Figure 1. Coomassie Blue stained SDS-PAGE analysis for the purification of monoclonal antibody against ADRB3 after affinity chromatography on a 5-ml Protein A column.**

Lane M, Lane M, protein molecular weight marker; Lane 1-3, The dialyzed ascites in PBS after ammonium sulfate precipitation; Lane 4, flow through (Ft) liquid of the ascites; Lane 5, protein eluted (E) from the column; Lane 6, flow through liquid of the ascites; Lane 7, protein eluted from the column; Lane 8, flow through liquid of the ascites; Lane 9, protein eluted from the column.

**Supplementary Figure 2. The immunofluorescence reactivity of purified monoclonal antibody M5D1 features on A549 cells.**

M5D1 was detected with goat anti-mouse (green). Nuclear DNA was labelled with DAPI (blue). Image was taken with confocal microscope using 63X oil immersion objective.