

**Table SI. Concentrations of antibodies and antigen used for flow cytometry analysis (FACS) analyses**

Reagent	Concentration	Cells/ml used
Live/Dead Aqua, ThermoScientific, Waltham, MA, USA; Cat# L34957	1 µl/ml	1 × 10 <sup>6</sup> cells
CD45R(B220) PE-Cyanine7, ThermoScientific; clone RA3-6B2	5 µl/ml	
CD27-Qdot, ThermoScientific; clone CLB-27/1	1 µl/ml	
IgD FITC, BD Pharmingen, San Diego, CA, USA; clone IA6-2	20 µl/ml	
CD19 APC-Cy7, BD Pharmingen; clone SJ25-C1	5 µl/ml	
CD4 Pacific Blue, Biolegend; clone RPA-T4	1 µl/ml	
Human recombinant Dsg3 (1 mg/mL; EUROIMMUN, Lübeck, Germany) labelled with Alexa Fluor 647 Protein Labeling Kit (ThermoScientific; Cat# A20173)	4 µl/ml	