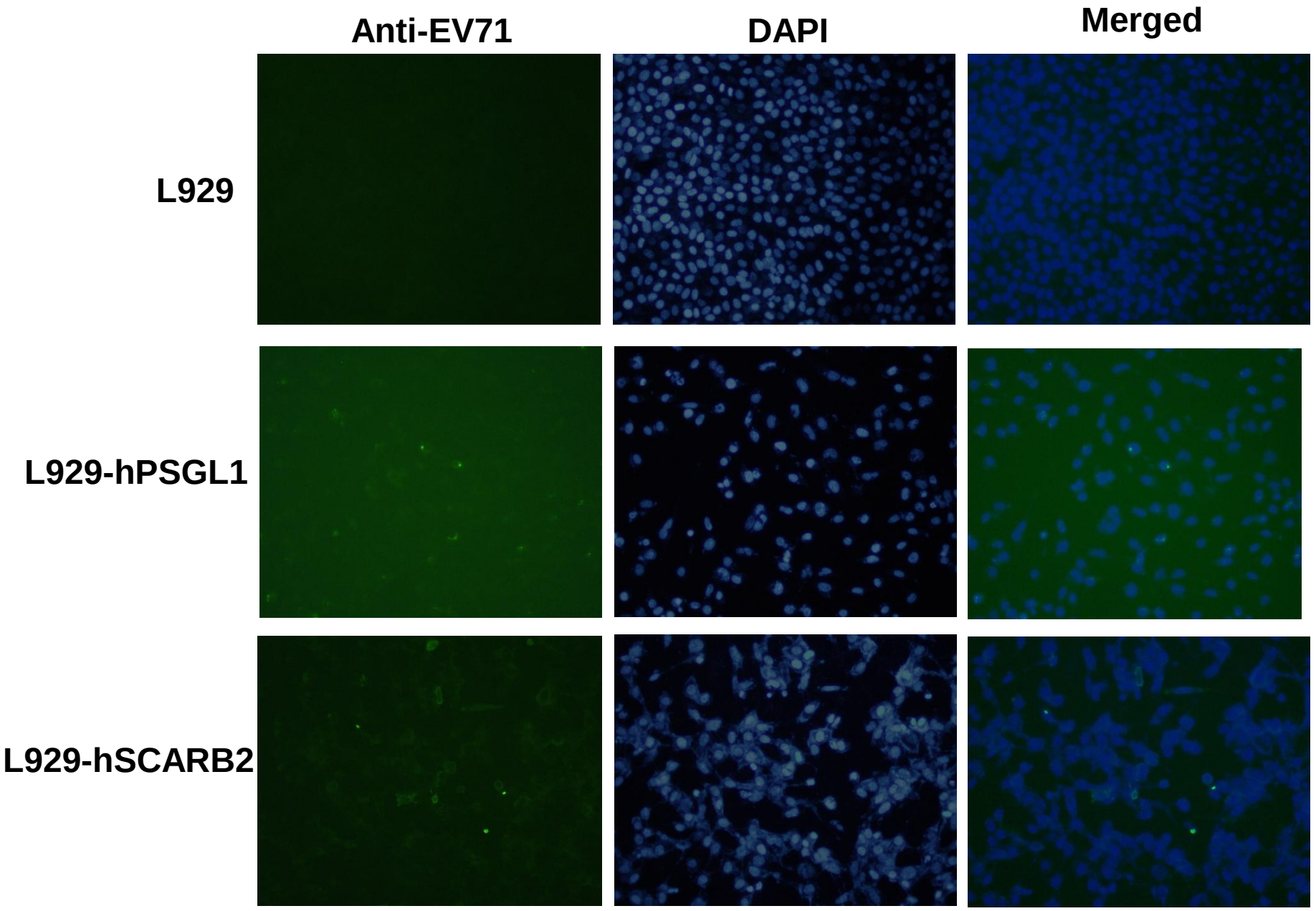
Supplemental table 1. The UPL number and primer sequences for mRNA analysis by real-time PCR. Sequences designed for the detection of indicated gene products by real-time PCR are presented

Gene name	UPL no.	primers
EV71 VP1	2	Forward: 5′-atgacgggtatcccacattc-3′
		Reverse: 5′-catgccccgtattcaaggt-3′
IL-1β	78	Forward: 5′-tgtaatgaaagacggcacacc-3′
		Reverse: 5′-tcttctttgggtattgcttgg-3′
GAPDH	9	Forward: 5′-gagccaacgggtcatcatct-3′
		Reverse: 5′-gaggggccatccacagtctt-3′
hPSGL-1	10	Forward: 5′-agaatccaggccgtgaaaa-3′
		Reverse: 5′-ggtgcttggcacctctgt-3′
hSCARB2	48	Forward: 5′-gaaacgggagacattagaacca-3′
		Reverse: 5′-cgccgtctctttatcaatgtg-3′
TNF-α	25	Forward: 5′-ctgtagcccacgtcgtagc-3′
		Reverse: 5′-ttgagatccatgccgttg-3′
IFN-γ	21	Forward: 5′-atctggaggaactggcaaaa-3′
		Reverse: 5′-ttcaagacttcaaagagtctgagg-3′
IL-6	6	Forward: 5′-gctaccaaactggatataatcagga-3′
		Reverse: 5′-ccaggtagctatggtactccagaa-3′
IP-10	3	Forward: 5′-gctgccgtcattttctgc-3′
		Reverse: 5′-tctcactggcccgtcatc-3′
MCP-1	62	Forward: 5′-catccacgtgttggctca-3′
		Reverse: 5′-gatcatcttgctggtgaatgagt-3′
MIP-1α	40	Forward: 5′-caagtcttctcagcgccata-3′
		Reverse: 5′-ggaatcttccggctgtagg-3′
CCR2	27	Forward: 5′-acctgtaaatgccatgcaagt-3′
		Reverse: 5′-tgtcttccatttcctttgatttg-3′

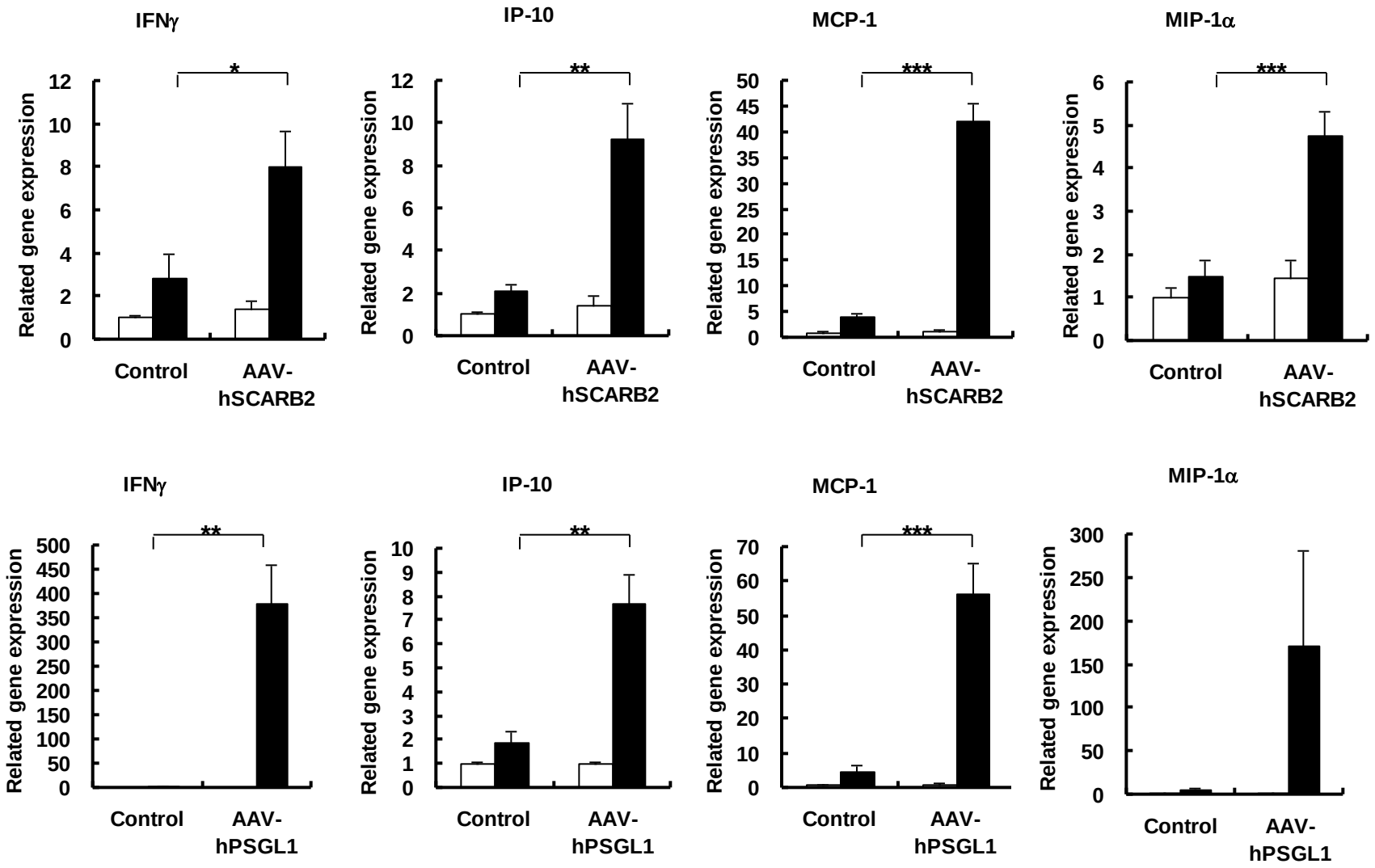
Supplementary figure S1



Supplementary figure S1.

EV71 was detected in hSCARB2- and hPSGL1-expressed L929 cells, but not in the control cells. L929 cells were seeded into a 24-well plate ($5x10^5$ per well) one day prior experiment, and AAV-hPSGL1 and -hSCARB2 were transfected into L929 cells by using PolyJet™ In Vitro DNA Transfection Reagent (SignaGen® Laboratories). Transfected and non-transfected L929 cells were then infected with EV71 at MOI 10. After 24hr, EV71-infected cells were washed with PBS and fixed in 3.7% paraformaldehyde for 10 min at room temperature. The cells were incubated for 30 min at room temperature with a 1:1,000 dilution of monoclonal antibody (MAb) against EV71 (MAb979; Chemicon International, Temecula, CA). A 1:200 dilution of FITC-conjugated secondary antibodies (Jackson ImmunoResearch Laboratory, Baltimore, PA) was added and counterstained with DAPI (Sigma, St. Louis, MO). All of the cells were washed three times with sterile PBS and monitored by a fluorescence microscope.

Supplementary figure S2



Supplementary figure S2.

Up-regulation of cytokines or chemokines in intestinal tissue in rAAV-hSCARB2- and rAAV-hPSGL1-transduced mice. Adult ICR mice were i.v. injected and orally administered 5 x 10^{11} pfu of rAAV-hSCARB2 or rAAV-hPSGL1 and then infected with EV71 (1x10^{7} pfu in 100 μL) three weeks later via i.p. injection. Seventy-two hours after EV71 infection, RNA was extracted from the intestines and analyzed by real-time RT-PCR for the expression of cytokines (IFNγ), chemokines (IP-10, MCP-1, and MIP-1α), and GAPDH. RNA was also extracted and analyzed from untreated mice as control. The related gene expression was calculated using the comparative method for the relative quantity normalized to GAPDH gene expression. *: $p<0.05$, **: $p<0.01$, ***: $p<0.001$ (*t* test).